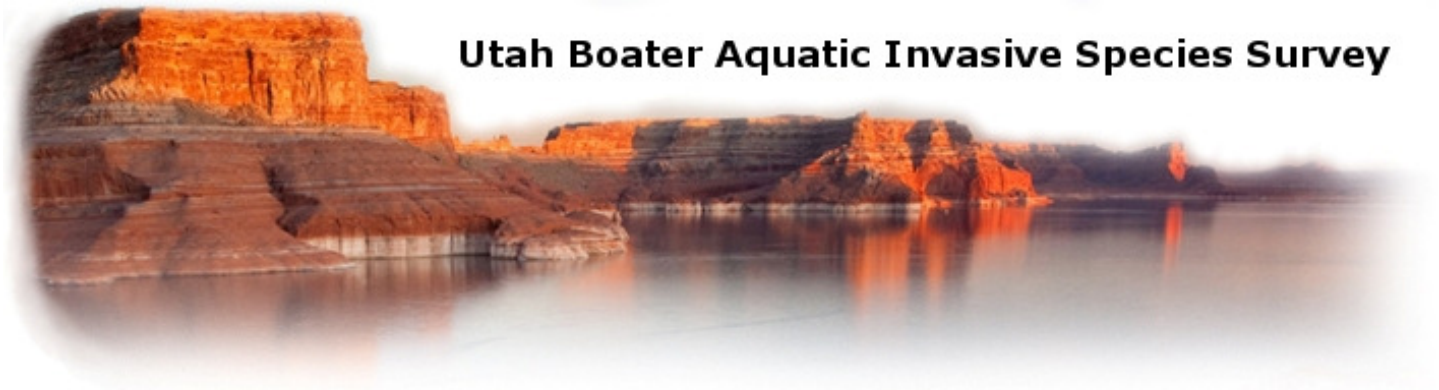


**Utah Department of Natural Resources**  
**Division of Wildlife Resources**  
**Conservation Outreach and Aquatic Sections**



**Utah Boater Aquatic Invasive Species Survey**

Prepared for

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June 8, 2012

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DWR Publication Number 12-19

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# ANALYSIS OF THE UTAH BOATER AQUATIC INVASIVE SPECIES SURVEY

## Highlights

Prior to receiving the survey, 97.1 % of the responders to the Utah Boater Aquatic Invasive Species Survey were aware of the potential quagga and zebra mussel invasion threat to water throughout Utah. However, only thirty-six percent of the responders correctly identified the three water bodies in Utah where the quagga and zebra mussels are currently found as Sand Hollow Reservoir, Electric Lake, and Red Fleet Reservoir.

The five most popular water bodies that that responders boated at are Lake Powell (13.1%), Utah Lake (11.3%), Bear Lake (6.9%), Strawberry Reservoir (6.9%), and Deer Creek Reservoir (6.6%). Data on the ten most popular water bodies may be found in Table 2 in the Results below.

The two bodies of water with the lowest percentage of responders (where sample size is greater than 10) that properly filled out and displayed a decontamination certification form on their boat was Bear Lake (35%) and Starvation reservoir (42%). Lake Powell (93%), East Canyon Reservoir (96%), Scofield Reservoir (100%), Sand Hollow Reservoir (95%) and Rockport Reservoir (100%) had the highest percentages of responders (where sample size is greater than 10) that properly filled out and displayed a decontamination certification form on their boat.

Strawberry Reservoir (30%), Starvation Reservoir (33%), and Otter Creek Reservoir (31%) had the highest percentage of responders that were NOT advised of the invasive mussel threat prior to launching (where sample size is greater than 10). Strawberry Reservoir (42%), Jordanelle Reservoir (34%), and Utah Lake (34%) had the highest percentage of responders that were NOT advised of any boat and equipment decontamination requirements prior to launching (where sample size is greater than 10).

The most popular decontamination method used across all bodies of water was to self clean, drain, and dry (70%). Seventy-seven percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 68% of the responders would visit the water body less frequently.

Sixty-seven percent of the responders would be more likely to visit a Utah body of water with their boat fewer days per calendar year if they were required to have a professional decontamination prior to leaving and the process took 30-34 minutes per boat.

During the responders past year's boating activity, 49% thought the Utah Department of Natural Resources employees were helpful in enabling them to better understand invasive mussels and their impacts.

Out of the 136 responders that previously accessed the professional decontamination process, fifty-seven percent of the responders thought it was convenient.

Eighty-eight percent of the responders were satisfied with their entire recreational boating experience in Utah. Eighty-six percent of the responders were satisfied with their entire experience fishing with their boat in Utah.

## Introduction

This document provides the results of the statistical analysis of the Utah Boater Aquatic Invasive Species Survey by the Utah Department of Natural Resources, Division of Wildlife Resources. One role of this division is to protect and conserve wildlife habitat, through managing both terrestrial and aquatic systems for the benefit and use of Utahns.

These survey questionnaires were sent to a sample of 2011 Utah non-commercial licensed boat owners. The questions inquired about basic knowledge on invasive mussels, their boating activity, and boating opinions.

## **Methods**

### ***Data Collection***

The 2012 Aquatic Invasive Species Survey instrument (mail survey and online survey) was developed from a previously administered Invasive Mussel Boater Feedback questionnaire that had been used in 2010.

For the Utah Boater Aquatic Invasive Species Survey, a random sample of 2,049 Utah residents was drawn from a universe of the 2011 Utah non-commercial licensed boat owners. The sample was balanced by ZIP code population and a proportionate sample was randomly drawn from each ZIP code to achieve the 2,000 sample target to mail the first wave survey questionnaires.

A total 2,049 survey questionnaires were mailed on March 13, 2012. A follow-up, "Second Request" second wave mailing of 1,587 survey questionnaires was mailed on March 30, 2012, to all who had as yet to respond with a special, second request cover letter.

A non-response follow-up was conducted with twenty-nine non-respondents. These non-respondents were called and asked the questions on the Utah Boater AIS survey. These responses are referred to as wave 3 responses in the analysis given in Appendix F.

The survey was closed on April 24, 2012 and data compiled.

The data from the mail-back questionnaires and online entries via the website are compiled in a comma delimited text file format. This file is evaluated for valid authority codes. The database file was de-duped so that all who responded twice only had their data included once in the final file.

### ***Statistical Analyses***

Statistical analyses were carried out with SAS<sup>®</sup> version 9.1. These analyses included frequency, means, and chi-square procedures. Basic frequencies were computed for most questions on the Utah Boater Aquatic Invasive Species Survey. Means were provided for questions involving total number of days visited. Cross-tabulations were also calculated for all categorical data when based on a previous question's response. A Chi-square test of homogeneity was used to test the claim that wave 1 results have the same proportions as wave 2. Similarly, the wave 1 responses were compared with the responses given in the wave 3, telephone survey responses. If cells in the Chi-square test were less than 5 for both waves, both of the corresponding cells were dropped from the analysis. T-tests were used to determine significant differences between mailing waves of visitor days.

## **Results**

### ***Response Rate***

The overall response rate was 40%. Surprisingly, far more mail surveys were received than expected in comparison to internet responses. The general assumption is that an internet response option would be the preferred method of responses and only those with no access to computers or very little experience with them would use the mail. By using the postage paid mail response with online option also referred to as the mixed response mode methodology, it proved to be very effective. Appendix A shows graphs of the number of responses by day of the mail and internet surveys.

### ***Basic Invasive Mussel Knowledge***

Prior to receiving the survey, 97.1 % of the responders were aware of the potential quagga and zebra mussel invasion threat to waters throughout Utah.

Figure 1 illustrates Utah boaters' knowledge of waters affected in Utah by aquatic invasive species.

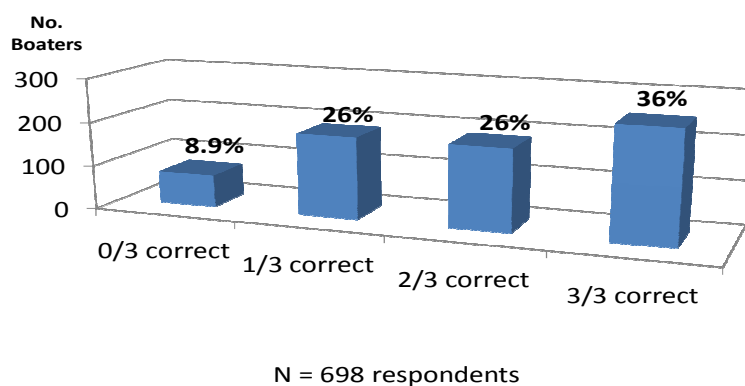


Figure 1. Utah's Boaters' Knowledge of Waters Affected in Utah by AIS

Figure 2 shows the frequencies of responders that identified the impacts from invasive mussels. The responses were somewhat uniform across the different options except for the "None of the above" option which only received two selections.

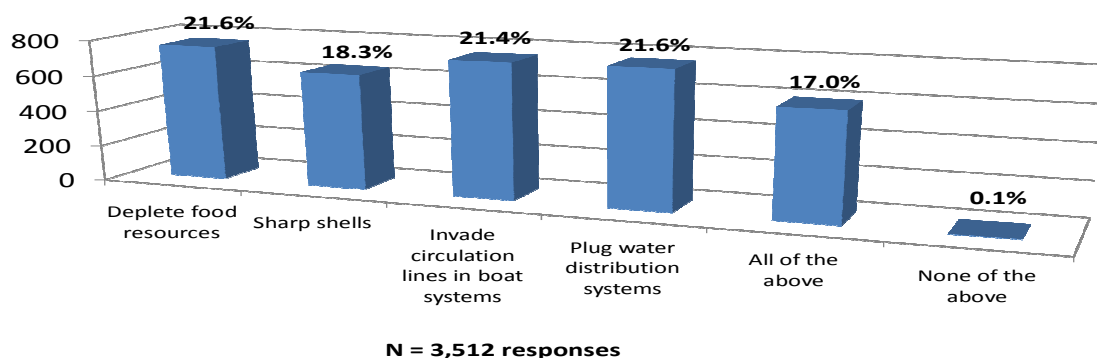


Figure 2. Utah Boater Knowledge of Invasive Mussels Impacts Affecting Waters and Users

### **Boating Activity**

The five most popular water bodies that responders boated at are Lake Powell (13.1%), Utah Lake (11.3%), Bear Lake (6.9%), Strawberry Reservoir (6.9%), and Deer Creek Reservoir (6.6%). Table 2 depicts all top 10

waters visited, with their respective number of days visited. Approximately, 11% of the responders boated on a body of water that was not listed.

Table 2. Visitor Days at Utah's Top Ten Most Visited Waters

No.	Water Body	Number of Days Visited	Percentage
1	Lake Powell	105	13.0
2	Utah Lake	90	11.3
3	Strawberry Lake	55	7.0
4	Bear Lake	55	6.7
5	Deer Creek Reservoir	53	6.6
6	Willard Bay Reservoir	50	6.4
7	Flaming Gorge Reservoir	36	4.3
7	Pineview Reservoir	34	4.3
8	Jordanelle Reservoir	32	4.1
9	East. Canyon Reservoir	23	2.9
10	Sand Hollow Reservoir	20	2.4

The average visitor days at Utah waters for general, recreation, and angling use is given in Table 3. Flaming Gorge had the most visitor days per year with 26.0. Utah Lake had the most visitor days per year for recreation with 13.7 days. Strawberry Reservoir had the most visitor days per year for angling at 12.1 days.

Table 3. Average Visitor Days at Utah Waters: General, Recreation & Angling

Water Body	Visitor days at (last water visited) per year	Visitor days at (last water visited) per year for recreation	Visitor days at (last water visited ) per year for angling	Other Water: Days visited per year	Other Water: Recreation days visited per year	Other Water: Angling days visited per year	Totals
Lake Powell	15.2	11.9	3.8	7.1	6.3	3.0	105/13.0%
Utah Lake	20.9	13.7	4.4	6.9	5.7	3.3	90/11.3%
Strawberry Reservoir	15.1	6.1	12.1	5.9	4.6	6.3	55/6.9%
Bear Lake	16.0	13.6	2.3	7.6	6.7	1.4	55/6.7%
Deer Creek Reservoir	9.6	6.2	6.0	7.3	5.0	4.0	53/6.6%
Willard Bay Reservoir	8.0	6.9	4.0	7.7	5.5	4.3	50/6.4%
Water Body	Visitor days at (last	Visitor days at (last water	Visitor days at (last water	Other Water: Days	Other Water: Recreation	Other Water:	

	water visited) per year	visited) per year for recreation	visited ) per year for angling	visited per year	days visited per year	Angling days visited per year	Totals
Flaming Gorge	26.0	11.6	11.6	10.2	3.6	8.3	36/4.3%
Pineview Reservoir	14.6	13.3	1.2	4.8	5.0	1.5	34/4.3%
Jordanelle Reservoir	4.6	4.0	1.1	4.4	4.1	1.4	32/4.1%
East Canyon Reservoir	5.0	2.7	3.0	4.3	2.9	2.5	23/2.9%
Sand Hollow Reservoir	13.0	9.3	5.8	8.4	6.7	3.8	20/2.4%

The two bodies of water with the lowest percentage of responders (where sample size is greater than 10) that properly filled out and displayed a decontamination certification form on their boat was Bear Lake (35%) and Starvation Reservoir (42%). Lake Powell (93%), East Canyon Reservoir (96%), Scolfield Reservoir (100%), Sand Hollow Reservoir (95%) and Rockport Reservoir (100%) had the highest percentages of responders (where sample size is greater than 10) who properly filled out and displayed a decontamination certification form for their boat. Of the three bodies of water in which invasive mussels are currently found, Red Fleet Reservoir had lowest percentage of the responders displaying a decontamination certification form for their boat at 75% (n=4).

Strawberry Reservoir (30%), Starvation Reservoir (33%), and Otter Creek Reservoir (31%) had the highest percentage of responders that were NOT advised of the invasive mussel threat prior to launching (where sample size is greater than 10). Strawberry Reservoir (42%), Jordanelle Reservoir (34%), and Utah Lake (34%) had the highest percentage of responders that were NOT advised of any boat and equipment decontamination requirements prior to launching (where sample size is greater than 10).

The most popular decontamination method used across all bodies of water was self clean, drain, and dry method (70%). Twenty-five percent did not decontaminate their boat. Seventy-seven percent of the responders said they would visit the water body about the same number of times if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 68% of the responders would visit the water body less frequently.

#### ***Lake Powell Boating Activity (n = 105)***

Ninety-three percent of the responders who listed Lake Powell as the last water body they boated on with their own boat filled out and displayed a decontamination certification form when they last boated. Ninety-four percent of the responders were advised of the invasive mussel threat prior to launching. Eighty-seven percent of responders were advised of boat and equipment decontamination requirements prior to launching. The most popular decontamination method used was self clean, drain, and dry (73%). Fourteen percent did not decontaminate their boat. Eighty-eight percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 55% of the responders would visit the water body less frequently.

The average total number of days visited per calendar year by responders for Lake Powell (including boating) is 15.23 days. The average total number of days visited per year where the responder visit was primarily to recreationally boat (ski, swim, explore) is 11.91 days. The average total number of days visited per calendar year where the responder visit was primarily to fish from their boat is 3.81 days.

The average total number of days visited per calendar year for other water bodies by responders who visited Lake Powell last (including boating) is 7.13 days. The average total number of days visited per year for other water bodies where the visit was primarily to recreationally boat (ski, swim, explore) by responders is 6.30 days. The average total number of days visited by responders per calendar year for other water bodies where the visit was primarily to fish from their boat is 2.99 days.

#### ***Utah Lake Boating Activity (n = 90)***

Eighty-two percent of the responders who listed Utah Lake as the last water body they boated on with their own boat filled out and displayed a decontamination certification form when they last boated. Seventy-six percent of the responders were advised of the invasive mussel threat prior to launching. Sixty-one percent of responders were advised of boat and equipment decontamination requirements prior to launching. The most popular decontamination method used was self clean, drain, and dry (76%). Twenty-one percent did not decontaminate their boat. Seventy-six percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 82% of the responders would visit the water body less frequently.

The average total number of days visited per calendar year by responders for Utah Lake (including boating) is 20.88 days. The average total number of days visited per year by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 13.70 days. The average total number of days visited per calendar year by responder where the visit was primarily to fish from your boat is 4.38 days.

The average total number of days visited per calendar year for other water bodies by responders who visited Utah Lake last (including boating) is 6.93 days. The average total number of days visited per year for other water bodies where the visit was primarily to recreationally boat (ski, swim, explore) by responders is 5.72 days. The average total number of days visited per calendar year by responders for other water bodies where the visit was primarily to fish from their boat is 3.25 days.

#### ***Bear Lake Boating Activity (n = 55)***

Sixty-five percent of the responders who listed Bear Lake as the last water body they boated on with their own boat filled out and displayed a decontamination certification form when they last boated. Seventy-five percent of the responders were advised of the invasive mussel threat prior to launching. Sixty percent of responders were advised of boat and equipment decontamination requirements prior to launching. The most popular decontamination method used was self clean, drain, and dry (69%). Twenty-five percent did not decontaminate their boat. Seventy-five percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 76% of the responders would visit the water body less frequently.

The average total number of days visited per calendar year by responders for Bear Lake (including boating) is 16 days. The average total number of days visited per year by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 13.58 days. The average total number of days visited per calendar year by responders where the visit was primarily to fish from their boat is 2.33 days.



The average total number of days visited per calendar year for other water bodies by responders who visited Bear Lake last (including boating) is 7.6 days. The average total number of days visited per year for other water bodies by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 6.74 days. The average total number of days visited per calendar year for other water bodies by responders where the visit was primarily to fish from their boat is 1.39 days.

#### ***Strawberry Reservoir Boating Activity (n = 55)***

Seventy-four percent of the responders who listed Strawberry Reservoir as the last water body they boated on with their own boat filled out and displayed a decontamination certification form when they last boated. Sixty-six percent of the responders were advised of the invasive mussel threat prior to launching. Fifty-one percent of responders were advised of boat and equipment decontamination requirements prior to launching. The most popular decontamination method used was self clean, drain, and dry (79%). Twenty-one percent did not decontaminate their boat. Eighty-seven percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 61% of the responders would visit the water body less frequently.

The average total number of days visited per calendar year by responders for Strawberry Reservoir (including boating) is 15.08 days. The average total number of days visited per year by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 6.11 days. The average total number of days visited per calendar year by responders where the visit was primarily to fish from their boat is 12.11 days.

The average total number of days visited per calendar year for other water bodies by responders who visited Strawberry Reservoir last (including boating) is 5.9 days. The average total number of days visited per year for other water bodies by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 4.61 days. The average total number of days visited per calendar year for other water bodies by responders where the visit was primarily to fish from their boat is 6.31 days.

#### ***Deer Creek Reservoir Boating Activity (n = 53)***

Ninety-two percent of the responders who listed Deer Creek Reservoir as the last water body they boated on with their own boat filled out and displayed a decontamination certification form when they last boated. Eighty-five percent of the responders were advised of the invasive mussel threat prior to launching. Seventy percent of responders were advised of boat and equipment decontamination requirements prior to launching. The most popular decontamination method used was self clean, drain, and dry (58%). Thirty-six percent did not decontaminate their boat. Sixty-four percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 79% of the responders would visit the water body less frequently. The average total number of days visited per calendar year by responders for Deer Creek Reservoir (including boating) is 9.64 days. The average total number of days visited per year by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 6.25 days. The average total number of days visited per calendar year by responders where the visit was primarily to fish from their boat is 5.98 days.

The average total number of days visited per calendar year for other water bodies by responders who visited Deer Creek Reservoir last (including boating) is 7.35 days. The average total number of days visited per year for other water bodies by responders where the visit was primarily to recreationally boat (ski, swim, explore) is 5.04 days. The average total number of days visited per calendar year for other water bodies by responders where the visit was primarily to fish from their boat is 3.96 days.

## ***Boating Opinions***

Sixty-seven percent of the responders would be more likely to visit a Utah body of water with their boat fewer days per calendar year if they were required to have a professional decontamination prior to leaving and the process took 30-34 minutes per boat.

During the responders past year's boating activity, 49% thought the Utah Department of Natural Resources employee were helpful in enabling them to better understand invasive mussels and their impacts. Responder suggestions on how to improve employee effectiveness in helping them better understand invasive mussels and their impacts are found in Appendix B.

If previously accessed, fifty-seven percent of the responders thought the professional decontamination process was convenient. Responder suggestions on how to improve the convenience of the boat contamination may be found in Appendix B.

Eighty-eight percent of the responders were satisfied with their entire recreational boating experience in Utah. Comments regarding their satisfaction may be found in Appendix B.

Eighty-six percent of the responders were satisfied with their entire experience fishing with their boat in Utah. Comments regarding their satisfaction may be found in Appendix B.

Opinions on the responders' experience with the overall invasive mussel actions taken by the Utah Department of Natural Resources, i.e., its effectiveness in addressing invasive mussels as a specific threat to Utah's boating/fishing waters in any or all topics may be found in Appendix B.

## ***Non-Response Bias***

Non-response bias occurs when the answers of the respondents of the survey differ from the potential answers who did not answer the survey. Due to non-response on a survey, certain types of survey respondents are under-represented. Thus, if non-response bias exists then the survey results do not properly represent the actual population.

One way to test for non-response bias is to compare the responses of those who return the first mailing of a survey to those who return the second mailing. Those who return the second questionnaire are, in effect, a sample of non-respondents (to the first mailing) and we assume that they are representative of that group. Similarly, responses of those who return the first mailing of a survey were compared to the responses from telephone non-response follow-up. The chi-square test of homogeneity was used to test the claim that wave 1 and wave 2 have the same proportions of characteristics. This test was also used to test the claim that wave 1 and the telephone non-response follow-up have the same proportions of characteristics. To test significant differences between the two populations on the average visitor days, a t-test was used.

In a test of homogeneity, a claim that wave 1 responses do not differ appreciably from wave 2 responses was tested with all categorical values. Wave 1 proportions are significantly different ( $p=0.03$ ) than wave 2 when evaluating how frequently they would visit the water body if the responder was required to decontaminate their boat by self cleaning, draining and drying. The most notable difference was that wave 2 responders had a higher percentage (12%) that put "I don't know" compared with wave 1 (7%). Wave 1 proportions are significantly different ( $p=0.03$ ) than wave 2 when evaluating how frequently they would visit the water body if the responder was required to decontaminate their boat by professionally decontamination. The most notable difference was that wave 2 responders had a higher percentage (16%) that put "I don't know" compared with wave 1 (10%). There was a significant difference ( $p=0.0015$ ) between percentages in wave 1 and wave 2 when boaters were asked to rate their satisfaction with their entire recreational boating experience in Utah. The

difference between these two waves occurs mostly with the percentage of people who did not recreationally boat. The percentage who did not recreationally boat in wave 2 was 17% compared to 11% in wave 1. When evaluating differences between wave 1 and wave 2 average visitor days generally, recreationally, and by angling; there are no significant differences. Appendix F contains the results of the analyses.

In a test of homogeneity, a claim that wave 1 responses do not differ appreciably from wave 3 responses was tested with all categorical values with expected cell counts greater than five. In a Chi-square test of homogeneity, if the cells have expected counts less than 5 then the test may not be valid. Wave 1 proportions are significantly different ( $p=0.01$ ) than wave 3 when evaluating if they were advised of the invasive mussel threat prior to launching. The most notable difference was that wave 3 responders had a higher percentage (14%) that put "I don't know" compared with wave 1 (4%). Wave 1 proportions are significantly different ( $p<0.001$ ) than wave 3 when evaluating if they were advised of the any boat and equipment decontamination requirements prior to launching. The most notable difference was that wave 3 responders had a higher percentage (45%) that put "I don't know" compared with wave 1 (6%). Wave 1 proportions are significantly different ( $p<0.001$ ) than wave 3 when method of decontamination that they used. . The most notable difference was that wave 3 responders had a higher percentage (69%) that used a professional decontamination service compared with wave 1 (6%). Wave 1 proportions are significantly different ( $p<0.001$ ) than wave 3 when evaluating how frequently they would visit the water body if the responder was required to decontaminate their boat by self cleaning, draining and drying. The most notable difference was that wave 3 responders had a higher percentage (69%) that put "Less frequently" compared with wave 1 (6%). Wave 1 proportions are significantly different ( $p=0.0042$ ) than wave 3 when evaluating how frequently they would visit the water body if the responder was required to decontaminate their boat by professionally decontamination. The most notable difference was that wave 3 responders had a higher percentage (100%) that put "less frequently" compared with wave 1 (69%). There was a significant difference ( $p=0.0001$ ) between percentages in wave 1 and wave 3 when responders were asked if they were more likely to visit a water body fewer times per calendar year if the professional decontamination process was required and took 30-45 minutes per boat. . The most notable difference was that wave 3 responders had a lower percentage (31%) that put "Yes" compared with wave 1 (68%). When evaluating differences between wave 1 and wave 3 average visitor days generally and recreationally, there are significant differences. Average days in wave 3 for general use and recreation use are lower than wave 1 average days. There is no significant difference in the average visitor days by angling for wave 1 and wave 3. Appendix F contains the results of the analyses.

## **Discussion**

The wave 3 versus wave 1 comparisons give entirely different results then wave 1 versus wave 2 comparisons. Because of this small sample size in wave 3 and the non-repeatability of results from wave 2 to wave 3, the wave 1 versus wave 2 comparisons may have more merit and should be used to evaluate non-response bias.

## **Conclusion**

Prior to receiving the survey, most responders of the Utah Boaters Aquatic Invasive Species Survey were aware of the potential quagga and zebra mussel invasion threat to water throughout Utah. Even though they were aware of threat, only thirty-six percent of the responders correctly identified the three water bodies in Utah in which the quagga and zebra mussels are currently found as Sand Hollow Reservoir, Electric Lake, and Red Fleet Reservoir.

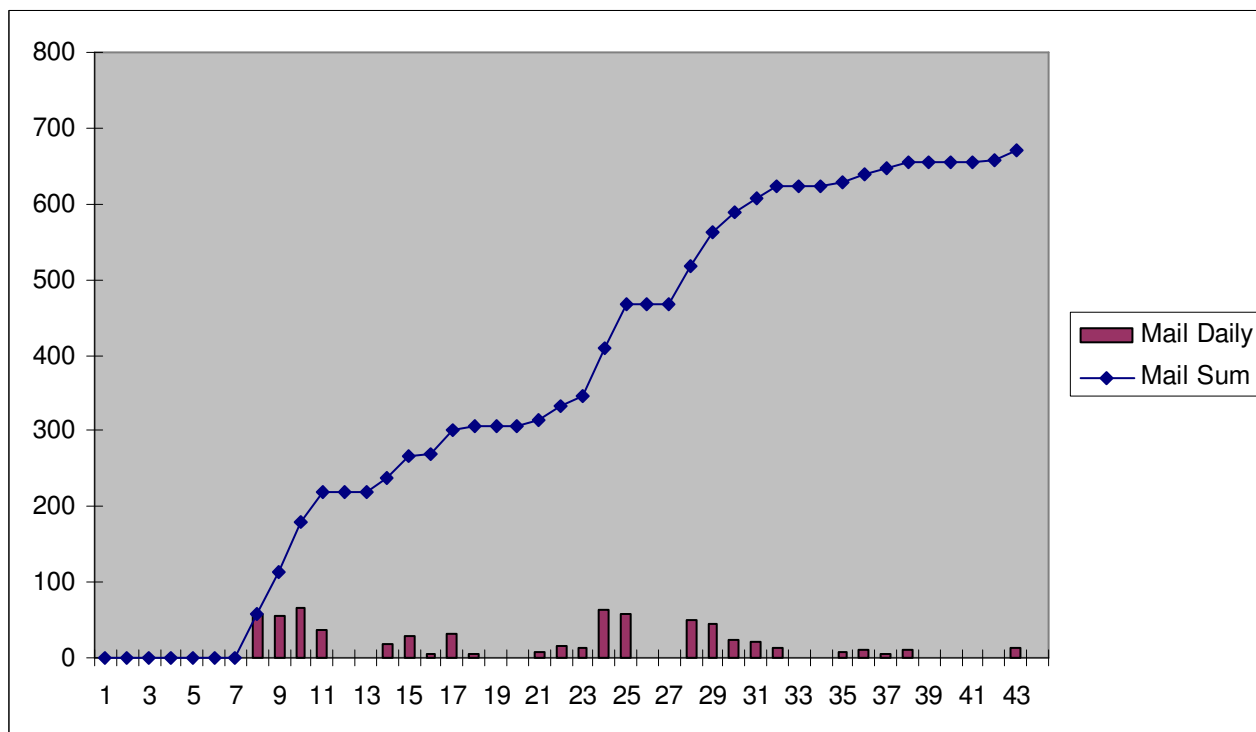
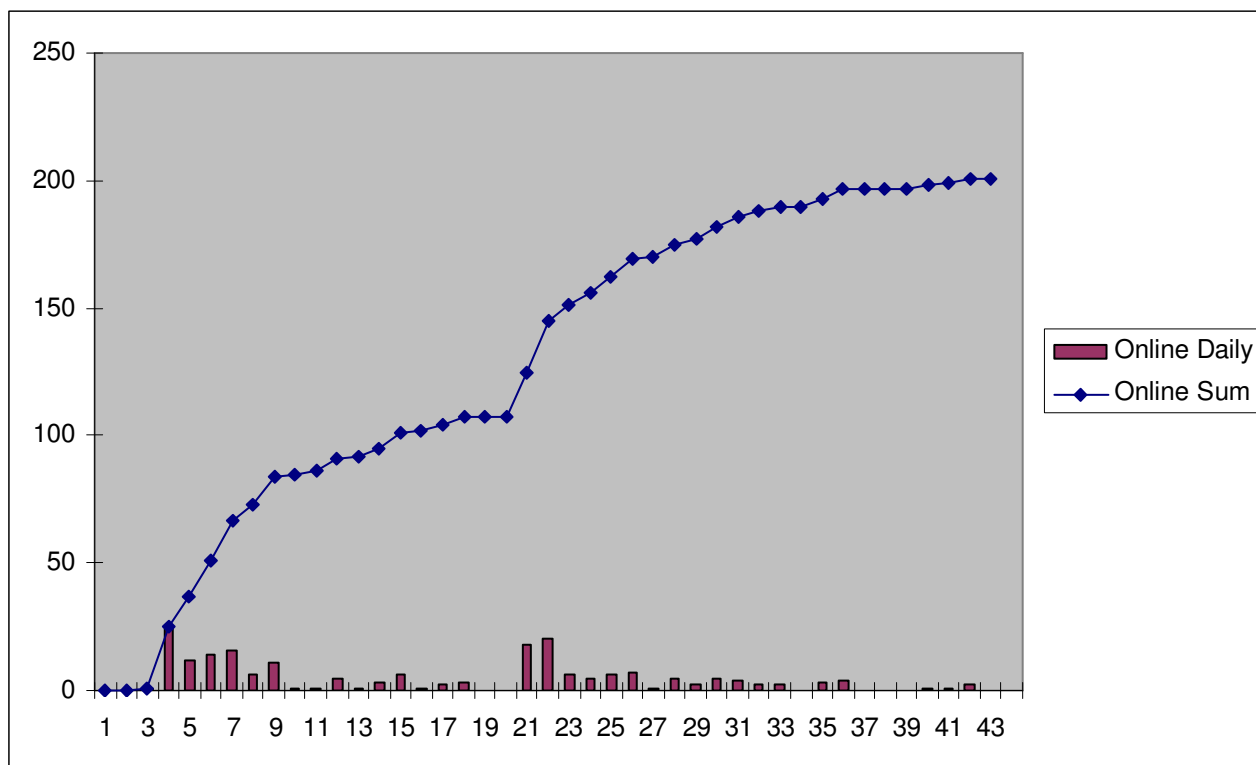
The five most popular water bodies that that responders boated at are Lake Powell (13.1%), Utah Lake (11.3%), Bear Lake (6.9%), Strawberry Reservoir (6.9%), and Deer Creek Reservoir (6.6%).

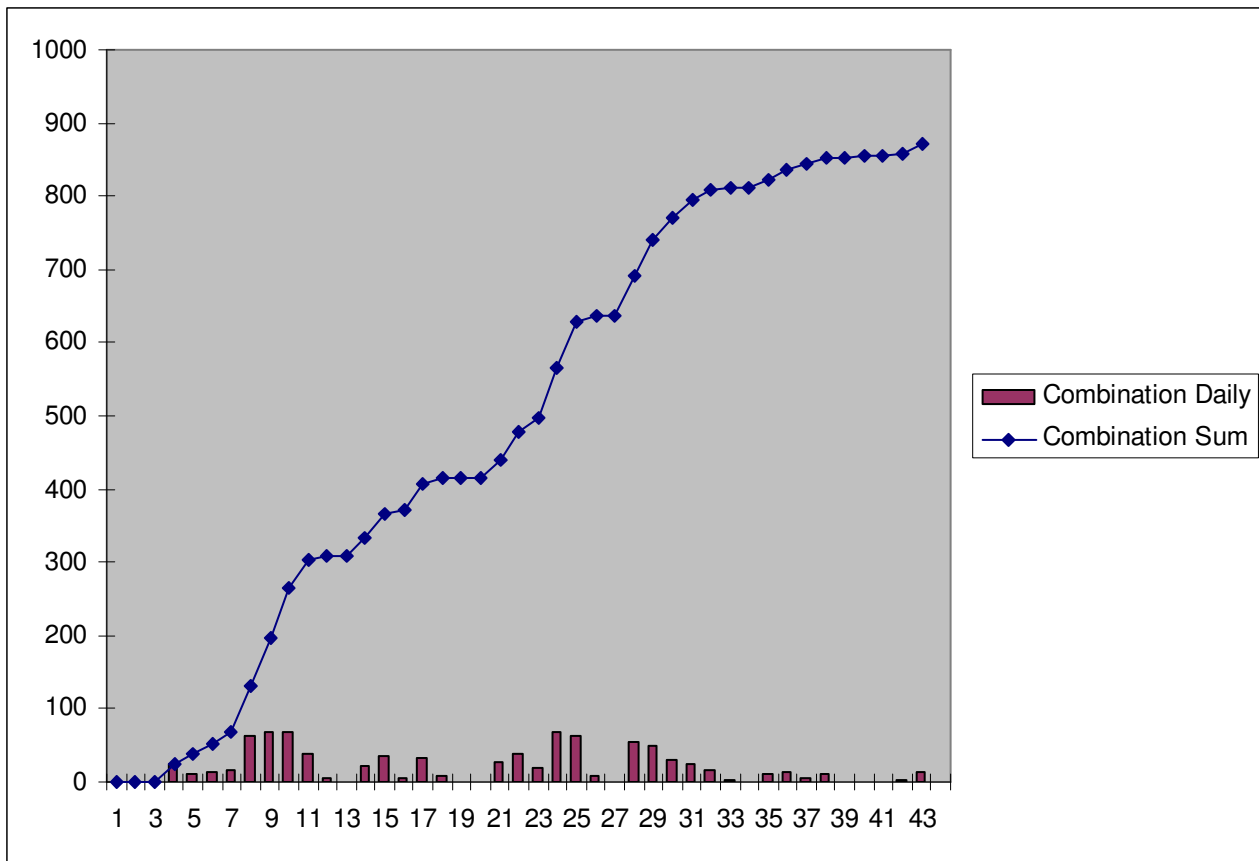
Strawberry Reservoir was a popular water body among responders. This water body had one of the lowest percentage of responders (where sample size is greater than 10) that properly filled out and displayed a decontamination certification form for their boat and also had one of the highest percentage of responders that were NOT advised of the invasive mussel threat prior to launching (where sample size is greater than 10). This reservoir also had the highest percentage of responders that were NOT advised of any boat and equipment decontamination requirements prior to launching (where sample size is greater than 10).

The most popular decontamination method used was self clean, drain, and dry (70%). Twenty-five percent did not decontaminate their boat. Seventy-seven percent of the responders said they would visit the water body about the same number of days if they were required to decontaminate their boat by self cleaning, draining, and drying. If there was a requirement to have the boat professionally decontaminated, 68% of the responders would visit the water body less frequently.

Most responders thought that the Utah Department of Natural Resources employees were helpful in enabling them to better understand invasive mussels and their impacts. Overall, they also thought the professional decontamination process was convenient. Overwhelmingly, the responders were satisfied with their entire recreational boating and fishing activities with their boating experiences in Utah.

## Appendix A. Graphs of the Number of Responses by Day of the Mail and Internet Surveys





## Appendix B: Aquatic Invasive Species Survey Comments

*Q14 Comments: Please provide your suggestions on how to improve our employees effectiveness in helping you better understand invasive mussels and their impacts.*

1. During the boat registration process make the education a necessary part of the process. 2 - computerized registration decals with scu #'s that tells where the boat has been and when. 3 - then make decontamination a part of the boat launching process.

Additional paperwork and fee at registration

Advising boaters if there have been known sightings of mussels at that specific body of water. This would create a more careful inspection of personal boats. (The picture used to show the mussels has me looking for the little suckers stuck all over my b

All your questions were using the assumption that the boat owner had his/her boat for some time. I in turn had recently purchased my watercraft and was just testing it out. I really don't remember an education process in place for new ownership transactions from private parties to private parties. Although I could have just not been paying attention when registering the craft. With an effort that seems this important I would think during registration would have been an opportune time to educate.

Although I already did the application online and had it in the truck, the employees always informed us about AIS.

At time of registration provide adequate information.

Be fast and organized

Better advertising - get the news media more involved - TV special programs. Idaho stops all boats on the freeway near Malad - that's a good program.

Commercial boater out of Moab to Hite, most outfitters know. Boatmen will hear about it at Hite. Last night could be on lake, but not likely.

computer tracking ie: barcode

coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor.

courteous explanation with encouragement

Decontamination is better before entering not after, I don't really want to pay for it.

Didn't have my boat out last year. Haven't used my boat for over 7 years.

Didn't take the boat out

Do not allow people to launch their boats in Willard bay if they went to a different place within the same year or have them decontaminate their boats.

Do what you are doing.

Don't go to waters with personal watercraft that have problems.

Don't know

employees are doing a good job...the help needed is with this questionnaire...

Explain on the required form whether you want owners copy to be in the boat or on vehicle windshield.

have a tag and information at each launching point at the reservoir.

Have actual visuals of damage

Have every boat from California decontaminated before entering Utah waters.

Have some sort of a handout to give boaters that explain the potential damage that these mussels can cause.

Haven't boated but once in 4 years.

Help people understand other areas of the boat that might stay wet that need decontamination in addition to the engine compartment.

Hire more, there are too few.

How about giving them a pay raise. The legislature and governor should be ashamed of what they pay these fine people.

I am on the water early and there is usually no one present.

I am too ill to use my boat at all and have not been on any body of water for the past two years. The boat has not been anywhere except Scofield since I acquired it (about 6 years ago). I think this survey is inappropriate for me and would recommend you select someone else.

I didn't boat in Utah last year - I went fishing in Idaho for 7 days total.

I don't own a boat. (x3).

I feel the handouts and information at check-in are great.

I have not boated in Utah for last five years. Question number four asked what water body I last visited, which was Bear Lake. There were no people helping launch or recover my boat.

I have only fished waters using my boat without the infestation.

I haven't been fishing on a lake since 2009

I haven't boated for years - I purchased an old boat but I'm still restoring it so I'm not in a position to answer your survey.

I heard it on the news to wash your boat before entering other waters . years ago

I mainly float tube small lakes, seldom do I go often enough to require decontamination, other than time, but I would gladly do it if I were using multiple waters in a close time period.

I think an important question would be, do you go to contaminated lakes? I would not boat on a lake I knew was contaminated. We no longer go to Lake Mead (at least 12 years, due to this issue.)

I think at lake Powell we have been well informed and complied with procedures.

I think DNR employees do a great job at Strawberry. My boat stays at the lake 365 days a year. I live there during the summer.

I think people want to do the right thing, having employees that are helpful and friendly and can educate the public is the best way.

I think that what is being done now is helpful. I hope people take the problem serious and take the time to care for their boats properly to help reduce the risk of spread. I feel like making things mandatory for professionally cleaning your boat will make it too expensive for me, and I will have to give it up.

I use an inflatable pontoon so I usually launch in more remote areas.

I usually visit other waters than Bear Lake. I have never had this mentioned to me at these other places.

I visited Mead and then Powell and they decontaminated my boat and it was fine.

I was well informed and concerned. However I believe there are a few boaters whom didn't care about the invasion threat and it may be necessary to mandate cleaning.

I worry that when asked where else boaters have been, they may not tell the total truth thus affecting others.

If there is going to be a mandatory "professional cleaning" required it should be at the lakes where there is a problem and that will keep the mussels confined to those areas. Those of us that are at Bear Lake and other unaffected lakes where we have homes we usually do not visit other lakes and having a required "professional cleaning" not only is not needed but costly in terms of time and money.

If you have a staff person at the boat ramp they should be courteous and willing to explain or show you what to look for, not just demand that you fill out a form. Education is the best prevention.

I'm not sure how to help at this time

I'm not sure there is much else they can do.

Information at launch ramps, media cooperation, State wide information check points

Inspect when returning to another state.

It is not clear to me whether self cleaning, draining and drying includes draining the engine block. This should be clarified.

Keep doing what you are doing.

Leave information with camp hosts and boat ramps. The only information I have seen has been very limited to local tv news.

Live Demonstration of Mussels. Sample of Water tank with and without Mussels.

Lots of locations, like Otter Creek allow for me to launch my small 14 foot alum. at other places other than the state boat ramp, so some kind of help in the other sites would be helpful.

Make sure everyone knows the three lakes that have the mussels

More info should be handed out. More people to advise you of problem, and how to properly drain, dry and or decontaminate your boat.

My boat is used only 50 miles from Bountiful and maybe once per year.

Need more employees at ALL launch ramps on weekends and typical 3/4 day holiday weekends and make signage LARGER and more visible. I would also suggest having your employees check registrations of seasonal slipped boats. I watched 5 specific boats on my

need to have a person there

No clue just keep all information you can out there and hopefully all boaters and fishermen get the message.

Nothing - they do a fine job already.

Our club (Pineview Yacht Club) has had instruction provided by your people on the subject and I know how important this is.

Pamphlet with each years registration (x2)

Pass out literature.

Personnel talked to me better than half the time when I arrived to launch. They were helpful and friendly. I don't recall anyone talking to me upon departure. They asked me where I had been boating and I was left with the impression that I



had only been in safe waters. I would hope that if I were boating in contaminated waters, they would have warned be both before and after boating in those waters. I would have serious second thoughts about boating in contaminated waters and I would be very careful to decontaminate my boat after being in those waters.

Post it at the lakes.

Powell has been good, Quail and Sand Hollow have never personally asked me. I feel strongly about keeping our lakes clean so I hope we push this very hard to do whatever we need to.

Provide brochures on the problem.

Recommend more pictures of damaged boats. Include cost estimates to repair. Lets face it, most people are selfish. They won't take this seriously unless they see the impact to their wallet.

Selling boat.

Sending out this questionnaire is a good idea. The more information that is put out to everyone, THE BETTER! I realize this is an added cost to the DNR, but we have to try to do everything possible now before the problem increases to the point of shutting down these lakes and reservoirs to the public. I would be WILLING to pay an added surcharge to either license my boat or entrance fee at the facility to help offset the cost to rid our waters of this problem. Sincerely, Wendell Alcorn 4761 S. 3200 W. Taylorsville, UT 84129

Simple flyer. Ask me if i have any questions.

SINCE I ONLY GUESSED ON THE AREAS AFFECTED BY THESE PESTS, MORE INFORMATION SHOULD BE POSTED AS TO THE WATERS AFFECTED.

Since I shore launch it might be helpful to have flyers sent to the home owners around the lake.

Since this issue has become a Priority of the State through Public information programs, I have not been overly impressed with those contract employees assigned this responsibility for making contact and checking those vessels who are entering this scene water way, Their efforts at best are a hit and a miss! If this is truly a priority of the State then those assigned must have buy-in to the program and exhibit the proper responsibility of making contact instead of sitting in their vehicle or chair listening to their I-pod!!! What about early morning hours when smaller water craft are being launched for fishing? or later evening hours when boats are arriving for weekend activities. What is being done for patrolling other unofficial access points around the that allow boats to be placed on the water?

Smaller, to the point brochures, or a one page document that people would actually read. Take away the threat or apparent threat of being fined for something we don't know about.

So far they have been very polite and courteous, along with being very informative.

Stop the harassment. We get it! And on the docks.

The awareness of the mussels and the destruction that they do is very helpful. It was handled very well at Hyrum Lake. The employees are adequate and helpful - we don't need any more state employees. The quagga as with other invasive species must be dealt with through prohibition and education of the population.

The rangers are great. Most of them didn't know about the online mussel test \ yearly cert. Once we showed them they understood and let us continue. This cert is much nicer than filling out the form every time.

The signs provided are adequate, but I did get a warning for not having my certificate in plane view.

There has been a detailed explanation and literature handed to me every time I visit the lake. I primarily visit Lake Powell, deer creek and Utah Lake. I have a pretty good understanding of invasive mussels and personally avoid trips to lakes that have been confirmed. I drain and dry my boat after every use. I don't know what else to suggest.

They are doing great.

They could have discussions with each boat owner as they were approaching the launch ramp rather than just having someone at an entrance point hand me a paper to sign and put on my dashboard. It was rather impersonal and authoritarian rather than informational and soliciting help from the public.

They did a great job. I have no suggestions for improvement. (x2)

They do a good job but it is redundant when fishing every week and have completed the online class for the years certification.

They do a good job cant think of any thing

They need to be there before the launches and late in the day as well as during the day.

Treat people the way you would like to be treated. Not everyone is a criminal. Not everyone is out to destroy what we love.

Use an invasive mussel booth at all sports and travel shows.

We go fishing. That's what our boat is for. I take it in and out of the water when we get a chance to go. I wash and clean my boat every time I get through using it.

We inherited the boat, haven't used it, so we don't have enough experience to answer the survey.

We only used the boat for 2 days out of the past several years.

which soaps are best utilized in decontamination does wiping or drying accomplish the goal?

You should have sent a brochure about it.

***Q15 Comments: Please provide your suggestions on improving the convenience of the boat decontamination process.***

A directory of nearby locations would be nice to have posted on a sign as you exit the water.

After reading through the survey, having the decontamination services available and clearly marked might help in the area where people dry their boats.

As stated above, I have never seen anything on my boat upon exiting lakes. So to this point professional decontamination seems to be overkill.

As to Q2, you can see that I don't know which waters, if any, are affected. I believe that if there is one boat on an affected water than one of the decontamination processes must be completed before launching can be done

At this time I don't believe it is necessary.

By making sure that the lakes that have gone through the proper certification of years are taken off the decontaminated list. cannot speak intelligently on this subject matter, have never experienced

coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare people away from the resource.

Didn't use.

don't have money to pay for professional cleaning of boat!!!!

Don't know

Don't make it mandatory - as needed would work better.

Don't Provide the service, as I will not boat or use, or I will do everything to avoid it. Education is much more effective.

don't want

Facility for washing boat motor off at ramps.

Forget it - i will go to a non threatened reservoir, or not boat all together. It is just too much expense to boat and add one more thing.

Free power flush, 5 minutes or less, at the boat ramp and it would not be a issue, and you could also clean and wax the boat???

Friends of ours used the professional decontamination and it was quick

Full time access to cleaning facility

Have employees at their stations early in the morning and late in the evenings, I know this costs money but you need to make the effort to make boaters go along with the decontamination process. 5:30 a.m. and 9:00 p.m.

Have it available a little later mid summer

Have more than one on large lakes

Haven't had it professionally done.

Haven't used waters that require decontamination.

Haven't used, but would hope long lines wouldn't become inconvenient, especially in the heat of summer with children.

I believe that it's a very efficient program, it needs to be.

I did submit my boat to an inspection for being dry when I went to Lake Powell. Is that part of the decontamination process? Not clear in the questions above.

I don't believe that I have been boating in contaminated waters, but if I had, I would hope that decontamination was available on sight or very near by.

I don't go to those lakes.

I don't know enough about it to comment.

I don't need my PWC's professionally cleaned by anyone.

I have a sailboat that I keep on the Great Salt Lake year round. This is the only body of water in Utah I use my own boat on and as far as I know is not affected by mussels

I have no idea how much the service costs.

I haven't ever had to professionally decontaminate my boat. I have had inspections that haven't been all that inconvenient.

I haven't witnessed the decontamination process

I leave my boat in the slip all season long. When we pull it out in the fall, I bring it home and pressure wash it.

I like having the service right there at the lake where you can receive professional boat decontamination upon leaving the water.

I noticed the equipment with the contract employee at the top of the ramp from time to time throughout the summer, never

did see it being used. I understand that equipment purchase prices make it difficult for availability and equipment scheduling for different locations may have to be shared.

I only fish once a month in the summer

I really don't know what professional decontamination would entail.

I refuse to use professional decontamination.

I think there should be a tank that you could back your boat into

I will avoid professional decontamination at all costs. It is long, I've seen the lines. Meaning I don't go to infected lakes.

I would probably get rid of my boat if I had to pay for cleaning.

If it's free I don't care.

If the process had been done then accept the certification from another area. Provide more stations at one sight.

If this becomes mandatory, I will probably stop boating completely. Most of my trips are after work for a couple of hours of play with the kids. If it takes 30 to 45 minutes per boat, and will most likely include additional fees, It isn't worth it. I can think of nothing more effective in eliminating the common family recreation or family fishing activity than requiring professional decontamination with additional fees and time.

Im not sure if its really the long term solution

I'm sorry, my input may not be much help to you. My boat has been parked for about 4 years. I am planning to use it this year now the grand kids are older. I do plan to do all I can to stop the spread.

It makes no difference to me. My old boat is for fishing and I don't even have a motor for it.

It needs to be super fast. People get excited about the lake. Don't hold them up. But it needs to be done.

It was okay but if the line is long I don't like it.

It's very convenient as it is available when you leave.

I've never had it done.

I've never had to.

I've only had to decontaminate at Lake Powell and it was quick because it was 6 a.m.

I've used hot water with some chlorine and soap then rinse. It works well for me.

Just a simple verbal explanation would be sufficient

Just ask about it

Keep it to those lakes that are contaminated and those boats that are in those waters. It makes sense to have those boats cleaned professionally to keep the mussels out of our other lakes. I personally keep my boat at Bear Lake and it is properly drained and cleaned each time we leave the lake. It is home to us.

Lake Powell has different rules than other lakes on decontamination procedures. Consistency would be nice.

Last year I took advantage of the yearly online self certification process. It was long but continued through it. I had some friends start it, but then they gave up and said that they were going to use the self certification each time they launch. I would suggest it take less time or provide decontamination material at the reservoir

Make it quick and free.

Make sure the decontamination station is adequately staffed.

More professional.

More stations

Need to address float tubes and other personal devices as boats are.

No opinions - never been through process yet.

Not sure, the only time it has taken place is at Lake Powell.

One time we had to wait a bit. Wish it was open earlier.

Only name it necessary when boating in contaminated water areas.

Please continue the self clean and dry service. My boat does not need to EVER be decontaminated, as it sits out for weeks in summer heat drying. Doing so could ruin the electrical and wood inside my older boat, and I fear that a few people skirting the system will cause this. My belief is anyone caught without the green decontamination sheet should be fined thousands!!! They will never take it seriously unless its treated with financial punishment of the highest level.

Provide facilities and instructions for self cleanings with hot water.

see above

Seldom have I seen the pros when leaving

Shorten the time requirement.

Should be more available.

the cost for someone else to do the work would stop people for going boating.

The decontamination station was shut down before we arrived back into share and packed up, with our jet skis. The hours were not good. It should close at least be a couple of hours AFTER sunset.

The State has a washer at Slder creek that I have never seen used. If the tax payers of Utah have supplied this boaters

should be able to use it under the supervision of the man you have up there.

They just want to get more money. Big government needs to stay small.

They seem to be doing a pretty good job. Not much change needed

This was the 1st time we went boating in 5 yrs. We didn't know any of it. The license dept. never told us anything when we got our boat registration. We went to Newton Dam and put the boat in - never saw the sign with infection info. The Fish and Game gave us a warning so then we knew about it.

We go to Lake Powell every 5th week for 4 or 5 days.

We were hunting in Mud Bay

When I visited Lake Powell I was required to undergo a decontamination. The personnel didn't seem to know which places in my boat to flush with hot water and I didn't know how to help them either

***Q16 Comments: Please explain your satisfactions with your entire recreational boating experience in Utah.***

a very enjoyable experience  
Able to launch easily.  
Although the lake was extremely crowded, we were able to enjoy some great family time.  
Always satisfied at Lake Powell  
Any day on the lake with my family is a great time.  
Any time I get to spend time on the water with family and friends I go.  
Awesome weather  
Beautiful clean water  
Beautiful reservoir (Pineview) and close to where I live  
Beautiful weather, good company  
Boat ramp and truck/trailer parking area both clean and easily accessed. Had a great sail. Good weather, etc.  
Boat ramp fee too high.  
But cold.  
Can only fish with my kickboat, nothing else  
Clean nice, convenient,  
Clean, not crowded with boats.  
Close to home.  
Convenient location.  
coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare people away from the resource.  
Could use better launch facilities.  
Didn't have to go through the decontamination process  
Docking and launching were good, it was just a little expensive.  
Easy fast launching, DNR was present and helpful with AIS info as well as making sure everyone was safe.  
Easy launching, not overly crowded  
Enjoyed fishing. Cleaning and draining boat is natural.  
Excellent facilities for launching and pull out.  
Except for the hassling received from the State employee, my experience on the lake was satisfactory.  
Facilities were good and not crowded  
family fun  
Fish at Hyrum Rec. had a great time, fish early morning to mid afternoon, caught fish (fair fishing day), but I Hyrum.  
Fished only - had motor trouble so trip was mostly work.  
Fishing was good.  
Fishing was slow  
Friendly, intelligent DNR staff who were informative and polite.  
Fun.  
good but crowded  
good day fishing  
Good docks, good parking, friendly people.  
Good facilities and not too crowded.  
Good fishing.  
Good weather  
Good weather and was out with the family.  
Good weather and water conditions  
Great fishing day.  
Great time  
Had no issues.  
Haven't used boat in 4 years

Hebgen lake Montana very nice no problems.

High recreation value.

I always have a good time boating, and have always enjoyed the lakes and water recreation. Bear Lake is a fun place to recreate and I love the beaches.

I am a Captain on Lake Powell, work for ARAMAK. Want to keep the Lake clean

I am always satisfied when I am on my boat

I could just decontaminate it myself

I did get a warning for not having my certificate in plane view, but overall i had a good experience.

I enjoy boating.

I enjoyed duck hunting in my duck boat at Ogden Bay.

I go to the waters to fish and I had to leave because of other boaters failure to obey routine laws.

I had a great time wakeboarding in the morning because the water was calm.

I had an enjoyable trip with my family.

I hadn't boated for over nine years, need I say more?

I have a 12 ft fishing boat and enjoyed fishing

I have a cabin at Scofield and that's the only place I boat.

I have a sail boat and it wasn't very windy.

I have been at strawberry since I was a little kid. I now have a cabin there. Takes me about five minutes to be on the water.

I haven't owned a boat or been boating for several years.

I hope recreationally means fishing. I love to fish. I don't care so much about the catching.

I launch my boat in May/April. The marina at Lucerne maintains my boat.

I always have a great experience on Utah's lakes!!!

I like to sail some days for a few hours or take a short ride on the seadoo

I like Utah Lake because during the week there are a lot less boaters.

I like Panguitch but a dock would be nice

I love boating

I love our Utah lakes!!

I love Utah Lake.

I love Utah lake. Its close, big and plenty of open water. The rangers down there are great!

I mainly fish e-canyon as it is fairly close distance to travel, small enough to keep most high speed boats off and it is good fishing

I only fish.

I talk to the Ranger put the notice in the window and went boating. To my knowledge I've never been in contaminated water. If I knew that it was I probably wouldn't boat there.

I took my boat out on the Newton Reservoir for its maiden voyage, I was out for about an hour.

I use multiple boats to teach scouts to sail - Deer Creek is the best location.

I use the Flaming Gorge area throughout the summer months for a family recreational area and relaxation area from day to day activities.

I went there, quickly launched my boat, spent the day and had fun, and left. There was nothing that annoyed or inconvenienced us.

Ignored unless to write tickets.

I'm a fisherman - recreational boaters are ignorant and too numerous.

It was a good day, watr good and sunny.

It was a great day of fishing with my son before he left for his mission in Houston.

It was boating. Come on!

It was fun. Deer Creek Res. needs more SAND beaches to pull jet skis up onto.

It was great. Love boating, hiking, etc.

It was October. No other boats and great water for skiing

It was ok but there are glaring underwater hazards that aren't marked, but could easily be marked.

It was over a holiday and boat ramp was busy.

It would be better if parks employees didn't stay on the lake and stalk boaters for infractions like the highway patrol does.

It's close to my home in Hurricane.

Its Lake Powell no further explanation needed

its LAKE POWELL! not enough room here to begin:)

It's the only place I go.  
 I've been going for 40 years, I enjoy it every time.  
 Jordanelle - way too many boats. The number of boats should be limited on the lake.  
 Just love boating. Wish Utah Lake had more water.  
 keep my boat at the docks at strawberry.  
 Kids playing on the dock and launch pad every day. It's hard to get the boat on and off the trailer.  
 Lake Havasu AZ, in October, the weather was great. It was our last trip of the year.  
 Lake Powell is a beautiful lake.  
 Lake Powell is a great place to boat. Some noise restrictions late at night would be nice to discourage loud parties that go until 4 am. An appropriate family setting would be nice.  
 Lake Powell is a nice big lake, not too crowded.  
 Lake Powell is the only water we boat on.  
 Lake Powell is very beautiful and we can get away from people.  
 Lake Powell. The only issue I had was while launching at Antelope Point Marina and I had to wait 30-minutes for a technician to approve me to launch.  
 Large body of water to escape other boaters. Some boaters don't observe a wakeless speed in the marina  
 Last used boat several years ago to fish for one day.  
 Lines getting in and out were long enough without more time.  
 Lots of water and plenty of beach.  
 Love being on the water.  
 Love Lake Powell, but I hate that ramp at Bullfrog closes at night. Tough to plan arrivals and departures. The ramp needs to be open 24/7  
 Love Lake Powell.  
 Love Quail Lake.  
 Love the people at Quail Lake. Thank you, keep it up.  
 Motor wouldn't start.  
 My boat (jet ski) hasn't been out of storage for 2 years.  
 Nice  
 Nice body of clean water.  
 Nice launch facilities and state park amenities.  
 Nice pastime enjoyed by everyone  
 No fish caught  
 Not crowded, easy launching and retrieving  
 Not many boaters - easy access close to home.  
 One of our kids broke her arm at the beginning of the summer and we didn't boat due to this.  
 Only boat on Powell, it's always nice. I love it.  
 Only have a fishing boat.  
 Our group caught 6 wipers and catfish  
 Panguitch launch gets a very poor amount of use to justify having the dock.  
 Personnel was very helpful  
 Provo State Park only had half of the ramp open and locked gate. Accessing south launch ramps for over a year  
 Regular family trips to Bear Lake have been satisfying. Good access to lake and other recreational needs at the state marina.  
 Sand Hollow has more officers than necessary, charges and fees become a burden also  
 Sand Hollow is a great facility. Great staff, well maintained, easy access to services and assistance.  
 see above  
 Since we did drain, clean, and dry we were able to access the water body quickly and able to play for about 2 hours pulling the kids on a tube. It was fast and convenient.  
 Small water body reservoir. Nice very clean air and nice area.  
 Staff was very friendly and helpful.  
 Staff was very helpful and friendly.  
 Starvation is very bad for fishing when recreational people boat way too close and it happens very often.  
 The beauty of Utah's lakes is amazing. We enjoy boating early season until as late in the fall as possible.  
 The campground was very nice and the scenery was beautiful.  
 The employees are helpful. The facilities are well maintained and the scenery is good.

The lake was very busy which was expected  
 The patrol boats should spend less time docked and more time ensuring water safety to other boaters and skiers.  
 The water was nice and smooth. Not a lot of people.  
 There are a lot of disrespectful, unknowledgeable boaters on the water.  
 There's never a bad day of boating on the Gorge. It's too beautiful for words.  
 Too many boats  
 Too many boats (recreation) going too fast on lakes.  
 Too many fees.  
 Took boat out to test motor performance. Did not idle well, but ran ok at higher rpm.  
 Took brother and family tubing and skiing, and had a nice picnic on a great Utah weather day.  
 Utah Lake is 3 miles from my home and very convenient.  
 Utah lake was very clean & it seems like it has been getting better every year.....I think that's great.....it is so close and warm I think that it could be a major revenue source for the state if it was cleaned up even better  
 Water level was low.  
 Water pump failed so the day ended early  
 Way too crowded, not enough water to be safe  
 We always enjoy boating at Bear Lake. We enjoy Hyrum Dam in the spring.  
 We always enjoy the clean water and beautiful scenery. I feel the marina is always helpful and professional.  
 We boat pretty much exclusively at Cutler Reservoir in Cache Valley. Few people boat there, which is ideal for us. The only downside there is that the launch ramp has a serious drop off at the end which makes it difficult to pull out  
 We enjoy the Labor Day week each year to end our boating for the year.  
 We enjoyed getting out with our grandchildren. Last year was the first time in 5 years we took our boat out. Previous to that we boated at Lake Powell.  
 We forgot to display the paper we got at the gate and had to pay a \$75 fine.  
 We go to Strawberry exclusively and enjoy the scenery between Strawberry and Soldier Creek  
 We had a good time, no one said anything about AIS, we didn't decontaminate our boat. There was nothing on the prop to clean. We took the boat out in April 2011 - the boat hasn't been used since.  
 We had a great time on the lake. We had no problem with the wait to launch, and almost no waiting time when we were getting off the water. The staff is always friendly, courteous, and helpful if needed.  
 We had fun.  
 We just enjoy taking the kids waterskiing. Beautiful day, beautiful lake.  
 We just got there to launch the boat, we got stopped while others launched their boat  
 We just love the boating experience.  
 We live within an hours drive, the beaches and facilities are clean, and there is plenty of open water and sun!  
 We love Bear Lake where we have our second home and have had since 1964. There is lots to love about it.  
 We love Sand Hollow. Beautiful scenery, close to home, warm water. It gets a little crowded on many days during the summer, but it makes sense--other people love it too.  
 Well maintained docs and easy in and out  
 well maintained ramp and docks  
 Went on a weekday and it wasn't crowded.  
 Went well  
 Windy almost all the time.  
 Worst day on my boat is better than my best day at work  
 Yuba during the week wasn't busy and had nice campgrounds, good weather.



***Q17 Comments: Please explain your satisfaction with your entire experience fishing with your boat in Utah.***

1. I had problems with the steering mechanism on the boat and couldn't fix it. 2 I didn't have any bites and didn't catch any fish. I'm thinking of going to a place that at least has perch or crappies.  
1st time there, usually fish Northern UT waters and NE waters, Starvation and Strawberry.  
8 degrees with wind out of the north - cold as hell all week  
a very enjoyable experience  
Able to launch easily.  
Any day of fishing from our boat is extremely satisfying. I worry about the Burbot.  
bad fishing at the time!  
Bear Lake nothing more to say  
Better fishing.  
Better than fishing from the shore and walking around the reservoir.  
Boats are wave runners.  
Caught 3 fish! good day  
Caught fish! That is what counts when fishing. More education needs to be done at Strawberry somehow, on Rainbows vs. Cuts. I have seen far too many people with their limit of Rainbows at the cleaning station when they actually had all Cuts. Need to m  
caught fish (x6)  
coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare people away from the resource.  
Could have caught more fish but otherwise a great time  
Deer Creek had fewer fish biting this year than previous years.  
Didn't catch anything (x3)  
Didn't catch anything and the wind would not stop.  
Docking and launching were good, it was just a little expensive.  
Don't fish (x2)  
Easy fast launching, DNR was present and helpful with AIS info as well as making sure everyone was safe.  
Easy to use and others helpful.  
Every went well as expected. There was nothing that annoyed or inconvenienced us.  
Everything went ok.  
Excellent facilities for launching and pull out.  
Facilities were good and not crowded  
First and 2nd time out in 5+ years - we will decontaminate in the future.  
Fish at Hyrum Rec. had a great time, fish early morning to mid afternoon, caught fish (fair fishing day), but I Hyrum.  
Fishing fair.  
fishing is good, at lost creek and there's not too many people, and there's not ski boats screaming by all day,  
Fishing is great, water is clean and low in boaters  
Fishing was good.  
Fishing was great (x2)  
fishing was poor (x2)  
Fishing was poor, but still satisfying nonetheless. It sure beats working.  
Flaming Gorge Reservoir- Last week and the courtesy docks were still not available making launching and retrieving a little tedious.  
Four of us just went fishing for a few hours.  
Fun.  
Getting on the water early in the morning is key at Pineview and getting out at a decent time makes the trip worthwhile.  
The only issue I have with Pineview is that they let way too many people on the lake and it becomes dangerous when both pleasure boaters and fisherman coexist on the lake.  
Good boat ramp.

Good boating facilities at Jordanelle.  
 good day for fishing NO ski boats coming with in 30 feet of you  
 Good Fishing (x2)  
 good fishing and family fun  
 Great  
 great days with friends and family  
 Great fishing day.  
 Great time  
 Had a lot of fun recreating with my family  
 Had fun.  
 Had no issues.  
 HIT AND MISS, CAN'T KEEP ANY.  
 I didn't fish or take my boat out last year in 2011.  
 I don't use my boat any more  
 I don't fish out of my boat ever.  
 I don't fish.  
 I don't own a boat  
 I go to the waters to fish and I had to leave because of other boaters failure to obey routine laws.  
 I have a cabin at Scofield and that's the only place I boat.  
 I hope recreationally means fishing. I love to fish. I don't care so much about the catching.  
 I just have a Sea-doo - not used for fishing.  
 I love fishing on Schofield, but last year the fish were very small and a lot of chubs. Fix that, will you.  
 I love to fish, I love the outdoors you can't replace the time spent with family outdoors  
 I only boated 2 days last year due to burned out bearings on the trailer. That took all summer to fix.  
 I usually fish during the week. It's nice to not have recreation boats buzzing around.  
 I was hoping for better fishing. Water was too cold for bass fishing.  
 I was out for about 2 hours. That was all I used my boat for (#16 & 17) 3 years ago.  
 I would be more satisfied if I were a better fisher and knew where to find the fish. A fish finder is on my short list of future gadgets. :^)  
 I would love it if I was always catching more and bigger fish. Good luck on meeting that request. But I believe that ANY day fishing is ""a good day fishing"". If I catch a fish, it was ""a GREAT DAY fishing!""  
 I'm a fisherman - recreational boaters are ignorant and too numerous.  
 It was a great day of fishing with my son before he left for his mission in Houston.  
 It was a very enjoyable day of fishing  
 It was Deer Creek and close and convenient with decent fishing results.  
 It was windy and slow fishing  
 It's the only place I go.  
 Lake Powell is a beautiful lake.  
 Lake Powell is the only water we boat on.  
 Late in summer 2011. The moss was thick. That is not too good for trolling.  
 Late season, low traffic, great weather, calm water.  
 Launch windows need to be expanded. Also restricted hours need to be established for water skiing and jet skis.  
 These users are way too dominant.  
 Love Joe's Valley.  
 Motor wouldn't start.  
 My boat hasn't been in the water for ten years.  
 My boat is for duck and goose hunting. I go in Cache Valley only.  
 My catfish had leaches and sores  
 Nice and quiet but the fishing was terrible.  
 nice clean lake, maybe too many recreation boats though  
 Nice launch facilities and state park amenities.  
 No fish caught  
 No personnel at gate. Displayed annual AIS certificate on truck dashboard.  
 No problems

None.  
 Not crowded, plenty of fish  
 Not successful fishing.  
 Personnel was very helpful  
 Poor fishing - too many restrictions  
 Poor fishing.  
 Provo State Park only had half of the ramp open and locked gate. Accessing south launch ramps for over a year  
 Rainbow trout fishing is poor. Native trout are not a good game fish.  
 Same  
 same  
 Same as above. Crowded waters lead to carelessness. Patrol more.  
 Same at Deer Creek on warmer or weekend days.  
 see above  
 Scenery is great fishing is good, not a lot of people jammed together in one place. Not a lot of waiting at ramps. Just wish the cleaning station at Hite stayed open always but understand why it doesn't.  
 Shore fishing.  
 Still love Quail Lake.  
 Strawberry is a great lake and good fishing.  
 Strawberry is always a great lake for fishing  
 Strawberry is very nice  
 The DNR dose a good hop of managing the waters around Utah.  
 The fishing was good the day was enjoyable.  
 The fishing was good.  
 The fishing was great.  
 The fishing was ok at Quail Lake.  
 The Flaming Gorge fishery speaks for itself... a hidden treasure!  
 THE LAUNCH WAS EASY. THE FISHING WAS GOOD. THE WEATHER WAS BEAUTIFUL.  
 The limited access at Quail is inconvenient - 7A-9A are the only morning hours available yet there's no host or ranger there most of the time.  
 The ramp condition is poor, temporary dock also needed at Panguitch lake.  
 There are a lot of fish to catch and we keep very few. So catch and release is something we practice regularly.  
 Too crowded  
 too many water skiers and jet skis  
 Too many water skiers and they think they have to ski around your boat while you are trying to fish.  
 Very few boats on the water and no one was skiing.  
 Was able to get in and fish and leave when ready!  
 water was calm, good day for fishing but, not many fish. That's fishing  
 We caught fish  
 We don't fish.  
 We enjoyed the weather and it wasn't overly crowded. The fishing was good.  
 We leave the boat in the water for the summer and have access to go and fish at our convenience. The boat goes in at the beginning of summer and comes out at the end.  
 We need to make Strawberry a family fishing lake rather than a trophy lake for adults.  
 We only fish with artificial lures and the fishing was very slow but the boat ride was great.  
 We were able to spend some time on the lake and catch a few fish.  
 Weather was perfect, water was perfect - lots o fish.  
 While fishing wasn't good that day, we had a lot of fun.  
 Why complicate the situation, looks like a way to get more money out of the public  
 wind was blowing  
 Would have been more satisfied if I were able to catch bigger fish than my wife did. HA HA

***Q18 Please share your opinions on your experience with the overall invasive mussel actions taken by the Utah Department of Natural Resources, i.e., its effectiveness in addressing invasive mussels as a specific threat to Utah's boating/fishing waters in any or all of the topic below.***

DNR technicians and/or staff

90% boating in Idaho

A more cheerful staff vs treating people like they have broken the law

Actions have not affected me.

Adequate.

All of the lakes and reservoirs address this issue.

Although have no experience in Utah, what we have seen is Idaho doing checks at their borders. We were informed they have found only 3 on the many boats they have checked.

Always informative and helpful.

Appreciate that someone is out there working hard and trying their best to inform and prevent.

As stated in first question I would hope that contract staff assigned this responsibility would take the task of contacting those arriving more serious! What is being done about after hour launch/ and or early morning arrivals... should discuss access gates being placed across ramp facilities to limit access after hours.

At Bear Lake they were very kind.

At lakes where I visited with the old bearded guy reminding every boat, every time to drain their boat before leaving, and informing them about decontamination and the dangers of invasive species. It was helpful.

Best technician I have had was at Hyrum Reservoir. He was excellent.

Casual, not obtrusive.

Clean - decontaminate on each use, regardless of waters used.

coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare people away from the resource.

Could have asked more in depth questions

Courteous and helpful when present

Courteous, helpful.

Courtesy and polite

Daily inspection at all ramps.

Did a professional job in letting me know the dangers of carrying mussels from one lake to another

did not see any staff or tech's.

Didn't have contact with any of the officers from any department this year.

difficult, think all waters should be included in the mussel, a lot of the boat owners I know are not that aware of the problem and do not take the threat serious.

DNR personnel have never discussed anything about invasive species with me.

DNR staff explained the threat thoroughly

DNR technicians are very helpful in understanding what is going on with the quagga mussel.

DNR took time to explain problem.

Doing a good job

doing the best they can

Doing what they should, ok.

Don't know anything about them, if you intend to have me decontaminate my boat, you are welcome to it. This seems like more government control and a way to spend money.

Educate the public and enforce infractions. But don't criminalize someone for minor documentation errors.

Furthermore don't create an industry that is supported by mandatory professional cleaning. Enforce the law where necessary but let the free market work without interference.

effective at letting me know why, what and where's of invasive mussels

Effectiveness seems to be adequate.

ESL, N/A

Every DNR officer has been kind, pleasant, helpful. I have met about 10.

Everyone has been very friendly

Everyone is doing a great job. Keep up the good work.  
 Everything I learned was from online test cause never saw a person.  
 Experience was interesting and helpful.  
 Fair  
 Felt they did a good job.  
 Filled out questionnaire one time a few years ago.  
 Filled out questionnaire online - it was very informative.  
 Fine except for not being present at every lake.  
 fine, but they should not assume everyone at the lake knows what they are talking about. we got down to the ramp to put in at Utah Lake last year (the boat had been in the garage for 4 months) and got yelled at because we hadn't filled out paperwork that was not even visible until you got to the ramp.  
 Fine.  
 Fine.  
 Friendly and cooperative.  
 Friendly and professional.  
 Friendly and ready to help with any questions.  
 From Westwater Utah to Hite Utah fish ford, Hittle bottom, Moab boat ramp, potasit, compliance of Green River to Hite - good.  
 Gave me the information to make me aware of this concern. However I do not know for sure what bodies of water have the invasion. I guessed it's the warmer waters.  
 Give me information so I can do it myself. Genuinely hot water was not available.  
 Glad it was done, to get ahead of the mussel conditions because they can ruin your boat and plug up the water systems.  
 Good (x17)  
 Good - we need more - more cleaning, more effective, more information. Quicker. An annual permit for one lake if you don't go to any other water.  
 Good experience on most waters.  
 Good people, friendly but thorough  
 Good work, keep it up.  
 Good, they do a good job  
 Great guys.  
 Great job keeping our lake clean and clear.  
 Had no experience.  
 Hand outs  
 Have answered lots of questions for me. Mostly very informative and helpful.  
 Have been checked by staff, most of the time that required form in the window.  
 Have not had to deal with these issues due to not putting my boat in at affected waters.  
 Have not really talked to many about it.  
 Have not really talked with anyone.  
 Have not used boat in the last 4 years.  
 have only seen them once  
 Have provided info at random times at the boat ramp. Need to implement a 100% program state wide.  
 Haven't boated in 2 years but after this I plan on selling my boat.  
 Haven't dealt with them directly on this issue but have not been out much.  
 Heard info only through the media, received only this survey relating to the issue.  
 Helpful (x2)  
 Helpful and informative  
 Helpful especially in the beginning of the boating season to remind boaters about the methods needed to stop the spread.  
 helpful and courteous  
 Hours of operation  
 I appreciate being attentive to the treat--we need to preserve our recreational waters and protect them.  
 I believe they are doing their best.  
 I believe you are doing all that can be done.  
 I belong to both Strawberry anglers and Rocky Mountain anglers, at our monthly meetings we have the DNR talk to us about the Aquatic Invasive Species. They talk about waters throughout Utah.  
 I don't use waters infected - E.O.S.

I get my information at the fee station at Lake Powell  
I guess it's working but haven't seen the professional.  
I hadn't been out boat fishing in over 12 years. I went one time to East Canyon Res. I was informed at that time of the mussels. Not sure if and when I might want to go fishing again in my very small aluminum boat - if I do go it may only be for 1 time again. Cleaning of the boat will be done before going.  
I have a boat but don't use it at this time. I will start this year if I can afford the gas.  
I have always had good experiences with the state DNR people  
I have had virtually no contact with DNR personnel. The individuals I have contacted who are in charge of this responsibility have been Utah State Park staff. They have done a satisfactory job during launch windows but those windows need to be expanded.  
I have never been told what waters are affected and if there is indication that it's serious or not.  
I have not experienced.  
I have not had much interaction with them as of yet. Only went out once last year.  
I have not taken my boat out on any Utah waters for the past 2 years and before that only 2 to 3 days a year. So, I am not up to date on the rules and procedures.  
I have only ran into a real presence of DNR tech/staff on a holiday weekend at Flaming Gorge when entering Manila. They did a good job of explaining and cleaning if needed. But 90% of my other trips I don't see them until I am ready to leave, if at all.  
I haven't boated for years - I purchased an old boat but I'm still restoring it, so I'm not in a position to answer your survey.  
I haven't had to decontaminate my small fishing boat because of the hot weather at Quail Lake and I only go a maximum of 1 week between trips.  
I never have been personally contacted by a division staff  
I no longer own a boat.  
I no longer own a boat. Please don't sent me your survey's anymore. Thanks.  
I only use it in local ponds. It's 10 ft aluminum. I don't go where the big boats go. Slow fishing only. Sorry I can't help more.  
I sold my boat last fall and no longer will own a boat.  
I support what you are trying to accomplish. I believe educating the public is the best approach to controlling or eliminating the problem with quagga or zebra mussels.  
I think it has been good.  
I think it's a good idea to decontaminate right out of the lake, then seal the boat tongue so that the seal has to be on there from the last lake before you can launch.  
I think it's a good thing you have people at the launch ramps. I'd rather have them check the boat. I know where my boat has been and always clean and dry it with vinegar. I hope that is sufficient.  
I think its great there trying to protect our lakes ,and whatever process needs to be taking has to be done  
I think it's great they are fighting this so aggressively, instead of allowing the threat to become a real problem and then addressing it.  
I think that education is the key you have been doing a good job as far as I have seen.  
I think that it is important to keep our water as clean as possible and I think the Department of Natural Resources is doing their best to achieve this.  
I think that they are doing as good of a job as they can. I hope that we can keep the mussels out, but how can anyone be successful against such a threat. I believe it is a matter of time until the mussels are here which will be a real tragedy, but I am doing my part delaying that day as long as possible.  
I think the billboards were a superb way to get the message out, due to frequent visual repetition while driving past them.  
I think the DNR is doing a good job with this problem. I have no problem complying with the rules.  
I think the staff does a good job trying to educate boaters about the potential problems we could experience due to this invasive species  
I think the state must do everything in their power to avoid situations like this.  
I think they are very helpful and professional.  
I think they're doing a good job in trying to keep them out of Utah  
I think you have done a great job with tracking these and not allowing them into water they don't live in.  
i was asked if the boat was decontaminated or had been dry for at least 7 days  
I was made aware of the mussel problem at the Southtown Expo Sportsman Show. However I only boat on Bridger Lake NS Vintas Washate/Caske. I don't trade boating waters.  
I'm 90 years old, I have a 14' aluminum boat for fishing. I don't have any knowledge of water contamination.  
I'm happy with the way this is being handled. It seems to me it's very important to our waters and it feels like the staff is serious about the threat. I've never had the professional decontamination process done but if required on site by one of

your staff, I feel it's a slight inconvenience for the joy of the waters.

I'm not sure this is a battle that can be won.

I'm sure they are on top of it.

Inconsistent.

Informed me of action to take if on a contaminated body of water.

It can only be as effective as boaters are responsible.

It has been a hit or miss, some of the techs or staff were very informative and some said nothing about it.

it is effective but redundant

It needs to be done.

It seems to me that a pretty significant effort is being made to deal with the potential threat.

It was no problem to have the boat decontaminated at Sand Hollow. In fact, we were glad for the professional service because we were unsure how to do it properly ourselves. It was nice to have all the guess work eliminated. We also appreciated the pamphlet provided when we launched.

It's a good idea to have someone at the docks checking the boats.

it's been good.

I've seen the billboards and other literature. I inspect my boat/outdrive periodically throughout the season.

Just the information on what we had to do was good. It was nice to have a person to talk to that knew what we needed to do. We don't boat a lot, so the new information is critical at the launch point.

Kind and helpful.

Knowledgeable - helpful in treatment of boat.

Knowledgeable and friendly, did their job

Lake Powell - great. The #4 lake for us was Lake Mead.

Lake Powell does a good job. If professional decontamination was quick and free it would be ok. If it took too long I could see problems. I don't believe everyone will be honest because they might think it takes too long or there is a charge.

Let people fish come on.

Lots of times we have to wait 1 hour or more as no staff is there to perform inspection prior to launch.

#### MORE INFORMATION ABOUT WHERE THE MUSSELS ARE

Most were very helpful in trying to educate.

My family goes once a year for 6 days - we do not fish only water ski and ride the boat.

My interaction with techs and staff has been limited. Every time, it has been painless and positive. It also has been quick. I have my form of completion on my dashboard when I drive up. Also in my boat. The internet certification works well.

My only experience was in 2010 and 2009 at Utah Lake State Park. I thought the DNR were very thorough and informative concerning AIS.

My small fishing boat is on Navajo for approximately 2 hours 3 times a year and is dry docked in my garage 12 months out of the year. Thank you for the information.

Need MORE education and visibility everywhere fishing, and watercraft items are sold, repaired or used. Put it in education materials for kids getting their blue cards for their first hunting permits. Have TV shows like At Your Leisure discuss it more,

Need more people at boat ramps.

Need to address all types of fishing gear (ie, float tubes, and any device that could attract the mussels).

Nice people. Very service oriented. Explained things very well. Very helpful to expedite the process and explain the potential risks.

Nice to know how to slow it down and keep it off the lakes.

Nice, did fine.

No contact (x5)

No direct contact. I didn't fish in 2011. I was too busy and didn't make it to the reservoir. I did go 3 to 4 times in 2010.

No experience (x6)

No interaction, and the requirements are Never Clear to decontaminate.

No opinion on staff for this purpose. A volunteer answered questions.

no opinion. I haven't talked with them for more than 2 years.

Not enough bodies.

Not enough experiences with ownership to rate an opinion.

Not enough people comply.

Not familiar with except when questioned at Quail. We would feel badly if Quail became infected. Quail is our Friday

get away.

Not me, but some people haul jet skis and four wheelers in toy hauler that may not get checked or decontaminated.

Not much experience - I have not had my boat in the water for 3 years - too busy building a cabin.

Not present in Cache County to Idaho border, not often seen. In a small place like Newton Dam area where you don't see DNR present always, the sign and information should be right at boat launch - so you'll trip over it.

Note - gave boat away last year. I don't have a boat anymore. Never used my boat during the 2011 season.

OK (x5)

Only boat/water ski on Gunnison Res a few times a year and visit Lake Powell once a year. Want to do all I can to prevent contamination.

Only encountered one. He was nice.

Only fished 4 days last year. Not enough for an opinion.

Over the top! Closed Gunlock Lake to all boating in winter. Installed expensive tire rippers, steel gates, ""No Parking"" signs, and locked the rest rooms, effectively eliminating any access at all to the most developed part of the park while still charging \$7.00 to enter the park. Closed Gunlock to boating the rest of the year except Friday evenings, Saturdays and Sundays. I am retired and want to use my boat during the week and in the winter months when the crowds are small. Quail Creek access is limited to a couple of hours in the mornings and a couple of hours in the late afternoon. Who wants to limit their boating and fishing to just Sand Hollow? Or to just weekends fighting the crowds? Sportsmen and recreationalists spend a lot of money on equipment, licenses and other items to use these public facilities. Hire someone to operate the cleaning equipment to wash boats so tax-payers can use their resources (Parks). Charge boaters \$3.00 to clean their boats before launching. I'll pay it.

Overall good, but unfortunately some of the technicians are not as eager to make contacts as others. I also think they should be on the ramps earlier in the morning to capture anglers before they hit the water. It's pretty rare I see them when I launch, but they are typically there when I return to the launch ramp.

Park service seems to be doing OK at Bullfrog. I wonder about Hite though.

Place stations on boat ramps and preparation areas.

Polite, knowledgeable, helpful, friendly folks.

Positive.

Satisfactory (x2)

See #14 - I am quite concerned about the threat, especially to Utah Lake and Deer Creek where I have groups of Scouts out on my boats every week. I rarely use any other water. I would not go to a contaminated lake.

See previous comments.

Seems to be random - sometimes they care, sometimes not.

seems to be working

Select random inspections by staff.

Slips for visit.

So far, it has been fine.

Some instruction and pamphlets received at entrance to state parks.

Some not very well informed.

Sorry but I just haven't paid any attention to it.

Sorry I can't help you. I have no personal experience with this yet.

Staff has always been great.

Staff have been ok.

The cleaning, decontamination process needs to be explained more.

The DNR is doing a good job of informing the boaters about the danger the mussels can do.

The DNR staff is great. They know why there are there and get us moving quickly. This is greatly appreciated.

The guys at Strawberry check everyone.....and I have never been checked at Utah lake (Lindon marina)

The information is getting out there quite well I believe. Keep up the good work, and Thank you.

The motor for my boat died and I haven't taken it out for 3 years, so I am not a good person to respond to this survey.

Thanks.

The only contact with DNR technicians was at Bear Lake. They were friendly and doing their job. Other waters I visit have not displayed any concern.

The only lake we've gone to that I know is contaminated is Sandy Hollow and we didn't have the chance to visit last year.

The staff at Lake Powell is courteous and efficient at the decontamination station.

The staff in my opinion did a very good job of explaining the problems with AIS.

The staff was informative and helpful.

The technician I interacted with at Lake Powell was friendly and informative.



These people only took my money, and checked for licenses.  
 They act like cops and like everyone has done something wrong.  
 They always check for the slip, to make sure you know what AIS are.  
 They are doing a good job.  
 They are great.  
 They are more prominent now, but a few years ago I went fishing from shore at Electric Lake watching boats come and go with no one around to monitor or decontaminate, last year people were there to monitor it so that has improved.  
 They are not seen. Too few of them.  
 They are there to let us know of the problem and trying to prevent the spread of these invasive mussels. How honest are the boaters in reporting where they have been boating?  
 They are very positive and helpful. They have a tough job because most boaters want ready access to the nearby lakes and reservoirs. Closing Gunlock for the winter months has been a burden for many of us who want to fish that water.  
 We tend to think that we have too much government in our lives.  
 They do fine.  
 They have always been nice to work with.  
 They have been active in talking to boaters.  
 They have been good.  
 They need to be trained how to quickly decontaminate a boat. They asked me what to do at Lake Powell and I didn't know how to help them  
 They seem effective in keeping down the spread so far.  
 They seem helpful and knowledgeable about the problem.  
 They seem knowledgeable about the issues and have given us the information when we have arrived the marina  
 They were very informed as to what, where, why we need to make sure we are clean  
 They were very knowledgeable and courteous. They must be doing a great job if only 1 body of water tested positive this year.  
 They're professional and take their jobs seriously.  
 This would be a good use of dedicated hunters and their volunteer hours.  
 To my knowledge the mussels haven't entered Schofield yet.  
 Too few of them and they are too authoritarian. Also, there are never DNR staff at launch ramps during the night hours. It is extremely likely that mussels will be introduced by boaters launching at night without being checked out. It is very important that boats be able to launch at night, but it is also important that DNR staff be available at odd hours.  
 Try never to go to Southern Utah with my boat. Don't have time or money for more than a few hours of fishing.  
 Typically very polite and friendly. Please continue this.  
 Usually not too pleasant.  
 Utah Lake State Park: they inform everyone with a boat, they always ask if you have been to other lakes. They need to check boats at Lincoln Beach more often.  
 Very aggressively pursuing the problem. Great job.  
 Very aware of the problem.  
 Very difficult problem. Where did the mussels come from originally? Why wait till now to address the problem? It's a crisis - should have been addressed a long time ago.  
 Very effective, they are very watchful  
 Very friendly and explained where/what/when/why.  
 Very good at Utah Lake State Park. Lake Powell could provide better instruction at the entrance rather than self help at ramp.  
 Very good (x5)  
 Very helpful and friendly.  
 Very helpful and friendly. I have never had an advisorial.  
 Very helpful and informative  
 Very helpful and thorough in their inspections and decontamination of my boat. Also answer any questions I may have.  
 Very helpful and thorough when they decontaminated the boat  
 Very helpful in explaining about the potential of transferring mussels to a different lake  
 Very helpful in exploring the issue and providing information on affected areas and decontamination procedures.  
 Very helpful to explain the situation and instruct me how I can help prevent the spread of the mussels.  
 Very helpful.  
 Very helpful. However they need to get tough with anyone who demonstrates disregard for proper decontamination procedures.

Very important to keep mussels out of the lake, easier to keep from getting in than to try to remove once they are there  
 Very informative with literature when checking into a park.  
 Very informative.  
 Very knowledgeable and professional.  
 Very nice, but I think we're fighting a losing battle.  
 Very nice.  
 Very professional and knowledgeable  
 Very thorough.  
 Was helpful and informative. All ok.  
 Wasn't informed.  
 We are all interested in our lakes and areas and are all responsible to help control these kinds of problems  
 We water ski/boat at Pineview Reservoir and Flaming Gorge. At Pineview we are asked prior to launching where we've  
 been boating recently and given information on the problem. We boat infrequently.  
 Were helpful.  
 Were professional and well meaning  
 Were very informed and helpful.  
 When getting a registration, they should pass brochures that make people aware about cleaning their boats and make  
 them aware of all other problems of invasive species.  
 When I had my boat decontaminated at Lake Powell. The staff was friendly and professional.  
 When present they were okay.  
 With Flam. Gorge we keep our boat and only use it there. The water is large going to Wyo, you have to have a \$30  
 sticker with you and they don't check your boat. If you check your boat why can't you drive up in Wyo. without their  
 sticker? The mussels are the same in Wy and Utah. It is one big body of water.  
 would be helpful to have a sticker instead of paper to put on your dash the papers fly away its windy and many lakes when  
 you launch or load your boat.  
 You are doing a good job.  
 You are doing a great job, but knowing fishermen and boaters the AIS will eventually be in every lake.

The relevant materials or information you received that enabled you to take actions:

Adequate (x3)  
 Advertisement.  
 AIS AWARENESS PROGRAM  
 All relevant material was received - all ok.  
 All the materials and information is there when I need it.  
 Any information I have seen has been good, I think it has helped me be more conscientious about the problem.  
 Appreciate being informed.  
 Appropriate (x2)  
 Are available at the ramp sites - decontamination forms.  
 Because of what we have learned about the mussel we are very careful with our boat and feel safe putting our boat in Lake  
 Powell.  
 Better pamphlets explaining invasive mussel  
 Boat is stored at Powell.  
 Brochure  
 Brochure on what to look for, what happens, how to prevent it.  
 Check out on website.  
 Clear and concise.  
 Complete step by step instructions.  
 Continue public information programs communication is the key to obtaining public buy-in to the program.  
 coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a  
 survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in  
 Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every  
 state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare  
 people away from the resource.

Could be a bit more clear, do not know where contaminated waters are, not clear.  
 Course online to get certificate  
 Currently adequate.  
 Did not have to decontaminate boat.  
 Didn't need.  
 Difficult to understand.  
 DNR at Newton, where we never saw the info and warning. Left on truck in parking lot by DNR still confusing didn't understand until we tried to go to Franklin Idaho with boat. Their DNR decontamination techs/staff told us.  
 DWR fishing booklet explains well what needs to be done.  
 Each place I put into the water always has information available on site.  
 Educational material was good and effective in educating on decontamination procedures.  
 Effective  
 Enlightening.  
 Enough information to know where and what to look for, hopefully everyone pays attention.  
 Enough.  
 Everything I have learned is through printed materials.  
 Excellent (x2)  
 Explanation of the risk  
 Fair  
 Fine  
 Flyer that told how to kill quagga and zebra mussels.  
 Flyers are good information on what to watch for.  
 Follow state requirement  
 Forms at all boat ramps and online.  
 Friendly conversation with inspectors.  
 Good (x22)  
 Good - always given out when checking in with boat.  
 Good - needs to get out to the places people dock that are out of the way. Beaches, two track roads.  
 Good info  
 Good information  
 Good job  
 Good Material (x2)  
 Good material. Have inspected outdrive and underside of boat when leaving lakes.  
 Good materials. I just hope everyone does their part in keeping their boats clean.  
 Good supply.  
 Good, adequate.  
 Good, you don't need to overdo it, I only know Sand Hollow and they are doing a good job.  
 Got too old to go or care anymore. Sorry but that's what happens with aging. Hands don't work so well and can't stray too far from a bathroom. It really sucks.  
 Handouts with pictures showing how thick the mussels can build up and destroy boat and other equipment.  
 Have received some materials, have taken no action.  
 Have seen signs and read on DWR website about invasive species. I mostly hunt with my boat but fish occasionally.  
 Have seen signs and info at the marinas.  
 Helpful  
 Helpful and informative. Tell me what I needed to do to prevent mussel spread.  
 Helpful.  
 How to clean my boat.  
 How to drain, clean, drain and dry my boat.  
 I am concerned about my boat and the waters it goes in.  
 I am fuzzy about which Utah lakes are contaminated. I would like contaminated waters to be listed on all your invasive species literature.  
 I am now aware of the problem. However, I have no plans in the near future to boat in any fresh water lakes.  
 I am pleased with the DNR for taking action, we all need to help preserve our recreational water ways.  
 I believe I received what was available.

I don't know if I received any materials.  
 I don't recall receiving any information. What I know (not much) I got from the local TV discussion.  
 I don't remember much information or materials being received.  
 I feel all the literature is very helpful and on target for expectations.  
 I got a warning for not having my certificate in plane view.  
 I have been aware of the quagga mussel invasion since its inception. Foreign invaders have been adequately described by the DNR. I might suggest that classroom presentations be made (particularly at secondary schools) to broaden our knowledge base.  
 I have been boating long enough to know how and why to keep my boat clean.  
 I have not been in any lakes that are relevant to this problem.  
 I have not gotten very much materials about the invasive species.  
 I have received no information to date.  
 I have the materials I need.  
 I haven't personally received that much. Mostly the local newspaper items and I do have a son involved in the water services for our area.  
 I haven't received any information.  
 I haven't seen much information.  
 I know they are here.  
 I never received any information on how to clean properly. I just did it myself as good as possible.  
 I read the booklets and brochures.  
 I really have not received any information directly. I was in the Coast Guard Aux., and was educated there. I have found specific information by doing research (for a report for my degree) on internet sites.  
 I received a detailed pamphlet illustrating and explaining invasives and what to do to prevent their spread.  
 I received all my information about the mussels prior to any water in Utah being invaded. I keep my boat clean and was more knowledgeable about the mussels than when they first appeared in Utah  
 I see material at the DMV when I register my boat.  
 I take the online quiz and training to get the yearly training document. It might be worthwhile to require this when registering boats each year.  
 I think the materials we receive are great tools to help us recognize when we should take proper action  
 I took the on-line course last year so I didn't have to fill out a form each time I went out. That form was invalid at Lake Powell, which I wasn't aware of but I am interested in keeping this nuisance out of our Utah lakes and an not inconvenienced by inspections or questions  
 I took the online course. It was helpful.  
 i took your online class last year so i know about the problem but bear lake is the only place i have gone for many years and don't see any need to do any decontamination unless for some reson i go somewhere else then i will  
 I understand the problem I only use my boat on 1 or 2 lakes all year and clean my boat every time.  
 I would have wiped and cleaned my boat anyway  
 If it's a problem (aquatic invasion) haven't seen nor do I know of anyone who has been affected.  
 Inbox at ramp.  
 Info was fine  
 Information and teaching is getting better and more available, education of boaters can only be helpful going forward.  
 Information has been helpful and made me more aware and watchful of my behavior.  
 Information on invasion.  
 Information very helpful.  
 Information was posted where we launch the boat. We read the information and we check the boat whenever we leave the water.  
 Informative (x3)  
 Is helpful to the boating and save the waters.  
 It was nice to learn about the problem and having grown up at Strawberry it's something that I am 100% on board with  
 It's caused me to look for a ton of crustations on my boat, have not seen any yet. Possibly because of where I have boated.  
 Not sure.  
 It's helpful and knowledgeable.  
 It's talked about regularly in the fishing community and the drastic effects it has on a body of water. Also from the online certification process.  
 I've had access to plenty of information, both about the problem and the requirements for decontamination. I hope the efforts pay off.

Just conversation  
 Just made me aware.  
 Just the simple knowledge of the problem is all the info i needed  
 Keep giving knowledge to everyone.  
 Knowing which lakes in Utah is beneficial, but it could be beneficial to know what lakes in the West have the issue.  
 Literature.  
 Materials are easy to read and understand.  
 Materials have been helpful at marinas.  
 More info should be provided to boaters. I think many newer boaters don't take the time to read and understand the situation. Too many inexperienced boaters and PWC riders are frequenting the lakes; not much concern for something like this problem.  
 My boating has been very limited in the past few years so decontamination has not been an issue  
 My type of boat doesn't require much action.  
 need more information at ramps  
 Need more information on time and location it's available  
 Need to explain the problem in more detail.  
 Need to prove 100% at the gate. Ultimate destruction would far exceed cost of printing materials.  
 News media.  
 nice brochure  
 no comment  
 No experience with it yet.  
 None received  
 Not relevant to my boating. I don't believe Deer Creek has the invasion problem, however I did not boat at any other lake in a 30 day period.  
 not very good. Too much small print and not very well done.  
 Notices at launching docks keep everyone informed.  
 Ok (x8)  
 Online course.  
 Online information has helped.  
 Online mussel class  
 Online training is very helpful.  
 Only getting bits and pieces of information here and there. Mostly by signs along highway and at the lakes.  
 ONLY GOT A BROCHURE.  
 Our boat had not been in any affected lakes, so I am not even sure of the procedure I need to take for a professional decontamination. I think this state is very relaxed in its efforts to control this mussel problem, when traveling to Idaho, as soon as you cross the boarder, they make every vehicle pulling a boat pull over for decontamination. The only thing I have seen in Utah is someone sitting under an umbrella handing out pamphlets. We are sure to have a mess on our hands in the near future!  
 Pamphlet (x2)  
 Pamphlets were informative and clear.  
 pictures to see what I'm looking for was helpful  
 Please remove me from your survey list. I sold my boat, am moving to another state and will probably not boat on a Utah lake again.  
 Posted information was adequate.  
 Public broadcast is the way I learned of the invasion  
 Publications, and fliers that have a lot of information not only about the invasive species, but the info on what each person can do to prevent the spreading.  
 Publicity has been good. Most are aware of the problem. None of my friends want to ruin these beautiful resources and are willing to help protect them. We would like to have access to them.  
 Really don't know much about the problem. Our boating experience last year was limited only to Willard Bay. Even though to my understanding this area isn't affected we routinely clean our boat as prescribed.  
 Received a great brochure but don't remember the name. Not much help am I  
 received literature explaining procedures  
 received info from private owners every time we used echo, and only once at east canyon.  
 Reviewed procedures online.

Seemed adequate & informative.  
 Self educated on this topic  
 Signs are helpful.  
 Signs, information flyers at shows and stores.  
 Somewhat informative.  
 Staff at boating area's keep me informed and papers that have to be filled out do also.  
 The boating community needs to be educated as often as possible to prevent the spread of these mussels.  
 The class online helped me understand  
 The form for signature was very informative.  
 The friendship tour cruise - Green River to Moab is...checked at Green River State Park but there is a put/in between the bridge? And mineral bottom.  
 The handouts I received were informative.  
 The info I get is good. I'm surprised there is such a difference across waters on how big a deal it is though...  
 The information even at Rockport has been educational.  
 The information I have received makes me more apt to take better care of my boat.  
 The information packets that have been mailed have been informative. The problem is the irresponsible boaters that we have that don't take the time to be educated on the subject matter.  
 The information provided by the DNR Techs is very helpful and it provides good info on what to do and not to do. The online decontamination survey is also very helpful to understand what we as the responsible boaters should be doing to keep the mussels out of our local lakes.  
 The material at all the boat ramps I've been to has been very good information in getting the message out to us of what we are facing and what we need to do.  
 The materials are accurate and easy to read.  
 The parks should have more pamphlets and info to hand out to the public.  
 The signage was good alerting us to the issue and the pamphlet was full of good info. However, we still felt unsure about decontaminating the boat ourselves.  
 The yearly online test for a permanent certificate takes quite a while to do, but I can't think of any significant improvements right now.  
 There seems to be plenty of signage and literature on the subject.  
 They are understandable and not too hard to follow.  
 They gave me hand outs that were very informative.  
 They have plenty of notice at Lake Powell  
 They need forms at lakes to fill out - info there but not materials.  
 They told me I don't need to decontaminate my boat because of the hot weather.  
 This question survey is the first material I have been involved with.  
 Took the online course and certification.  
 Took the test on line, got the pass for the year.  
 TV ads were good.  
 Unknown  
 Very good (x4)  
 Very helpful. (x3)  
 Very informational material. They always made sure we had information about these.  
 Very informative (x3)  
 Very knowledgeable.  
 Very up to date with his knowledge  
 Was talked to and flyer left on vehicle in 2009 or 2010 by a ranger, so knew of the problem.  
 Wasn't informed.  
 we always dry off the boat upon exit from the reservoir and usually do not return within 7 days  
 We are aware of the issue. We have simply never boated in waters known to be contaminated (that we are aware of)  
 We have received good info for years but only from Lake Powell  
 We let our boat sit out in the sun after boating for at least 5 days.  
 We read the material at the first of each season.  
 Were explanatory.  
 Were helpful.  
 Would like to see online course improved to better provide info on missed questions. It is a bit painful and time

consuming presently. Good info though.

Yes (x3)

Yes, my own principles.

your website

Your website helps.

The actual decontamination process and procedures themselves:

A checklist would be nice.

A necessity for the good of Utah waters.

All I've used is to clean drain dry. My boat is usually only on the lake for a few hours at a time.

All ok.

Allow month - weeks for self decontamination - clean boat

Always clean and dry out boat at home before storage.

Are available everywhere that I have been last 2 years.

Are not too bad but we go to Pineview the most

At Hite marina - so so. Hard hulls - don't know. Inflatables from Cataract - none that I know of.

At Lake Powell it was a serious pain in the neck

basic

Clean, drain, dry yourself! No forced professional decontamination.

Complete step by step instructions and options.

coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare people away from the resource.

Did not apply

Did not need to decontaminate due to length of time my boat was dry and when I did boat at Deer Creek it was the only lake I went to.

Did not need.

Did not use (x2)

Did on my own.

Didn't have to decontaminate. Boat only on Powell the last 2 years.

Didn't need - cleaned and dried and didn't visit contaminated waters.

DNR are serious about the invasive species and they tell us where the decontamination units are, and what waters have them.

Don't have any.

Don't know (x2).

Drain, Dried, set boat for 10 Days in the Summer Sun.

Easy

Easy to comply with.

Easy to understand and hopefully it helps stem the invasion.

Easy, as long as it is done correctly.

Fair

Fast, no problems but I didn't have to wait in line.

Fine (x3)

Good (x10)

Good at Sand Hollow.

Has to be required if coming from any lake affected by mussels, or any other invasive species that poses a threat to our great Utah lakes. Raise fees at affected lakes if people want to put boats in affected lakes, they should help pay to stop the spread.

Have done only my own.

Have never had to clean my boat yet.

Have never used them.

Have not experienced it yet  
 Have not used these services.  
 Have not used.  
 have not yet had to decontaminate  
 Have only been decontaminated in Idaho. Was a very quick process.  
 Have only self decontaminated by draining and drying.  
 Have only witnessed.  
 Haven't boated where this is required - and I will not boat in those waters.  
 Haven't done it though boat has dried completely between outings.  
 Haven't had to decontaminate so more information on this would be beneficial. This may be the area to focus on additional education.  
 Haven't had to use it just yet, but it should be posted how much it costs to have the done to be prepared if needed. Losing part of the day of fishing for the decontamination process after heading to lake that involves a long drive gets people on edge. Especially if you know you are limited on time. It's very important to keep the quagga mussels out, so maybe just planning ahead to make sure the process is timely may not be so bad. If people come from an area where the mussels don't exist should it be mandatory for a decontamination process even though the clean, dry and drain have been performed.  
 Haven't seen them done.  
 Having the equipment available at all locations mandate use for those vessels who are transient.  
 Helpful but make sure you'll always have the paperwork there to fill out.  
 High pressure wash and drying time.  
 Hot water - felt they did it quick and explained why.  
 I did my own decontamination. I was not at any place where I had to have it done professionally.  
 I do the drain and dry each time I use the water.  
 I don't believe that there has been a time that has not exceeded the 7 day dry time between my boat being on a different water.  
 I don't even know where to take care of this.  
 I don't know where any places are where they do it for you. A lot of times I go boating (fishing) before 7 days of drying are up. Usually the same place.  
 I don't let my boat sit and dry during the boating season. I have set up a home station to run hot water through my engine and into my bilge. I don't know how effective it is.  
 I don't mind self cleaning my boat after each use. Especially if it's used in contaminated waters. I do although try to avoid contaminated waters.  
 I don't recall and maybe that's a problem.  
 I feel confident that with the knowledge you have shared with me I can personally decontaminate my boat. I don't need it professionally done.  
 I had a professional decontamination at Sand Hollow last year that was free and fairly fast.  
 I had to decontaminate only at Lake Powell. It added an hour to launch time, a drag, but I understand...  
 I have 10-12 associates that had their boat professionally decontaminated. 50% of those had their outdrive impellers ruined by the process. It took 3-4 days to repair at \$500.00. This ruined their trip to Lake Powell. Forcing the hot water through out drives can ruin the pump impeller. The problem isn't known until you launch - drive a couple of miles - overheat your engine and blow a head gasket - at worst seize the motor.  
 I have always stored boat cleaned for at least 30 days. Between boatings.  
 I have had limited boating and has not been an issue yet. I haven't had to do anything different because of where I have boated and the time between trips.  
 I have never been through an actual professional decon process, so I can not comment on that. The self-certification process (as I said above) needs improvement and it needs to be made more user friendly.  
 I have never had to do it yet.  
 I have no problem doing my part if it means waiting to be decontaminated.  
 I have not been to the decontamination centers but are aware of others who have and they have been okay with the process. It's all about education.  
 I have not seen a professional decontamination.  
 I have not used a professional process.  
 I have not used the decontamination process.  
 I have not witnessed it but I will soon this year.  
 I have only done self cleaning and drying. I have never used professional decontamination.



I have only used the self decontamination process. I seldom go often enough to warrant the professional treatment.  
 For those who need it to protect our water, they will have to deal with any inconvenience.  
 I have usually done these when visiting other water anyway.  
 I haven't done any.  
 I haven't had to do it since I pretty much boat at the same lake.  
 I haven't used the process.  
 I haven't witnessed the professional decontamination process.  
 I just like drying my own boat.  
 I know states like Idaho and Montana have checkpoints as you enter the state so boaters that don't live there are aware of the expectations.  
 I let the pros at Lucerne maintain my boat.  
 I like the idea of a professional decontamination at no cost. This would help ensure that the mussels won't spread.  
 I only own a duck hunting boat so the freeze takes care of my decontamination issues.  
 I really question how seriously some boaters are taking the self-decontamination process. I still see tow vehicles on the launch ramps without a self-cert form displayed. Over time, this will only get worse unless some warnings/tickets are written.  
 I think it needs to be enforced and do some checking of all boats.  
 I think so.  
 I usually use my boat very seldom so it's easily decontaminated and I won't use my boat on any water that I know there are mussels.  
 I wash my pontoons if they are muddy.  
 I wonder how effective it is.  
 I would have wiped, cleaned and dried my boat anyway  
 If it gets too difficult or expensive to decontaminate. It will really deter people I think. We really need to protect our waters from these invasive species. They are very dangerous to the well being of a body of water. I don't know if recreational boaters understand but I think most fishers do. If not they should.  
 I'm not positive I know the exact procedure.  
 In my situation I only boat at the most once or twice a month, so it has time to dry out.  
 Info on finding a decontamination station needs to be easier  
 Inspection process needs to be faster  
 It is good to have professional decontamination.  
 It is totally impossible to require professional decontamination on the small reservoirs I boat and fish on.  
 It makes sense.  
 It should be more stringent only upon exiting from the waters of known contaminated lakes  
 It sounds like more trouble than the experience is worth.  
 It worked fairly well but just needed to be staffed well enough that there wouldn't be a long wait.  
 It's a good responsible thing to do.  
 It's easy to follow.  
 It's going to be impossible to manage it. The future is bleak - I don't know what the final outcome will be.  
 Like the wash down at Red Fleet. It was fast and efficient.  
 Make them available for public self use. With education I feel people want to be responsible - but they are going to be upset if a professional with that kind of expense becomes required.  
 Mine was very simple as all I have is a canoe.  
 Much more info needed.  
 My boat has been dry in a building for 3 years.  
 My boat has not been in a lake with mussels.  
 Needs to be quicker.  
 Never done it (x6)  
 Never needed one, but 2 DNR officers offered the services but I declined.  
 Never required  
 Never seen it at the launch ramp  
 Never used them. I own my own detailing business so I have all the needed equipment to clean my boat with.  
 No complaints.  
 No experience (x3)  
 no problem (x2)

None (x6)

Not a big deal if boaters keep their equipment clean. Most do anyway! The problem is always the few who don't care. Not a problem for me since I don't go on contaminated waters and my boat is always dried out more than the required number of days between use. I don't use my boat that often.

Not bad.

Not familiar with at this time.

Not familiar with process or procedures.

Not familiar with the process.

Not good, not good for the boats finish.

Not involve will not boat in troubled waters.

Not really a problem for me. I don't mind doing it if it keeps the waters from being contaminated.

Not strict enough.

Not sure about the professional decontamination. The money is part of the concern as it then costs more to recreate. But if individuals are not doing the other ways and damaging waters it may need to be done.

Not too complicated

not very convenient

Ok (x10)

Ok cause I do myself (x2).

One at Idaho/Utah border Cache Co. was awesome. We need one like that at the mouth of Logan Canyon and Sardine so it doesn't get up here.

Only place was Red Fleet - service was excellent.

Only took boat out once last year for a few hours. (air dried rest of year)

Pressure wash boat with 140 degree water clean and dry

Pretty clear and understandable.

Probably not required where we fish.

Probably wouldn't recreate if I had to get the boat professionally decontaminated and pay for it.

Process was great. We usually boat on weekdays, so maybe that's why it didn't take long. If we had to wait long we may have been annoyed but it's still worth it to not have to decontaminate it ourselves.

quick and easy

Really can't be done any better.

Reason explained thoroughly

Reasonable - Self clean, dry, drain method.

Reasonable.

Seams logical

Seemed to be effective

SELF DECONTAMINATION IS NOT THAT DIFFICULT.

Self decontamination takes a long time. It's easier to keep visiting the same lake over and over.

Should be more intensive.

Should have mandatory decontamination at Lake Powell upon arrival. Exception for launch/retrieve houseboats based in Page AZ. A decon certificate could be good for 3 days to accommodate boat repair.

Simple

Simple - easy to use - not overly time consuming.

slow long lines

So far so good, so long as you don't make mandatory professional cleaning a reality. There is no need for it for all boaters. There's a large group of us who are responsible. Make the irresponsible ones suffer with the heaviest of fines to pay for the cleaning.

So so.

Something I do anyway to take care of my boat.

spray down at Lake Powell last year

The drying out process is ok and if you have less time the other procedures are ok also.

The lakes that I go to are from what I know unaffected, I don't go to a lot of different lakes. Decontamination for me has not been a very big deal. I try to keep my boat clean, and the amount of time between boating trips usually allows my boat to dry out good.

The only procedure available is professional or drain, clean, and dry. If you want to access water bodies more frequently, you are very limited to options. It is already restricting our boating activity and fishing activity. If we can't find a more

effective self performance method, we will actually start driving people away from the water.

The process and procedures is a good way that boaters can protect our water (lakes) from getting spread from one lake to another.

The process is painless - and unless you are moving to different lakes during the week it isn't a problem. The only concern I have is for elderly people and their ability to physically clean the boat the way it should be - perhaps a service for them

The professional decontamination process isn't too bad if I know I need to do it before hand so I can plan the extra time. If I ever had to pay for the service, then I would be much less likely to boat where it was required.

They are very good

They did a great job at making sure all boaters had been checked and had the required information before allowing there boats into the water.

They explained very well how I could self decontaminate.

This has worked fairly well when it was available - much of the time it wasn't available at Sand Hollow.

This was explained to me in person and in the literature I received.

Timely and necessary

Unknown (x2)

Used boat only once last year so didn't really apply to me

Very easy, I use self.

Very good.

very important

Very much needed

Very thorough

Was not a busy day so it went well.

Wash boat good and let dry - bilge done with hot water.

Wasn't informed.

We always dry our boat and prop and make sure everything is ok.

We don't boat a lot, so we mostly have gotten by with the self clean drain and dry.

Were easy.

What would professional decontamination require? Is it a cost or paid for through fees?

wiping drying and cleaning with windex

Worth doing anyway.

The complete package of addressing invasive mussels from start to finish:

Adequate (x2)

Agree it's important to keep the issue contained.

All boats coming in to the state from other states must be decontaminated or if used out of state, before returning to state.

That's my suggestion.

All ok.

Appears to be adequate

As above.

At the anglers meetings I go to the DNR has started from the first to the finish - the DNR is great! Also the DWR does a great job too.

Be diligent. Let's all do our best to keep those critters out of our water. It will be devastating if we lose this battle.

Please consider my sticker idea. I would like to see one in every boat. Feel free to contact me.

Boat sold in 2010.

Check and clean every time you leave the body of water.

coordinate with other states requirements....reciprocity. These are the most poorly written questions I have ever seen on a survey....13 is not even understandable and most don't apply to my situation of a kayak with a motor. I also boat in Wyoming ...requires a sticker ...do not want to have a myriad of stickers all over my boat for every requirement in every state. if you make this so difficult, your program will become ineffective because of non compliance or you will just scare people away from the resource.

Did not take long.

DNR is doing a great job of educating and walking the fine line between keeping our waters protected and protecting our liberty as well.

do what you need to this is very important to keep them out of are state . pay now or pay ++++++ later!!!!!!!!!!

Doing a good job. I think everyone needs to take the test before they launch a boat. Ignorance is no excuse.

Don't know.

Each change appears to have made the process more complicated. Looks like it has been successful to this point. The tire rippers, locked steel gates, ""no parking"" signs and locked restrooms are over-the-top measures that have really upset a lot of people.

Education of problems from mussels is a lot better, so I think cooperation from boaters and fishermen has improved.

Effective (I hope)

Every boater to clean and wax boat - each use - in Utah waters.

Every watercraft should have a professional cleaning certification that should be crossed out if entering a different body of water. If entering the same body, leave it as current unless it's a body that has mussels. Easy and effective.

Excellent job.

Fair, but lacks any visibility of penalties for offenders. Show a DNR officer billy clubbing an offender and place it on youtube. Maybe that will get the point across. Just kidding.

Fairly easy to understand but people need to be made aware of how serious the problem can become.

Fine (x4)

First info I have received outside of media and word of mouth.

For responsible people the complete package is very adequate - for others, nothing will be enough.

Go for it. I can live without the experience. I would say that if people aren't willing to take the measures to protect from the spread of these infestations, then the waters should be closed in order to protect non infested waters.

Good (x17)

Good - didn't know they were in more than one lake. It would be good to knowhow we are doing in this battle.

Good - simplify instructions.

Good at Utah lake.

Good idea.

Good info - answered questions.

Good information

Good information.

Good job, please do more, without taking any time or freedom (hard to do).

good luck I don't think you can stop them. But I'll do my part

Good Luck!

Good start to the program.

Good, the problem is being addressed and informative.

got the message

Great

Great job they are doing everything they can to keep these mussels from overtaking bodies of water they are not living in at this time.

have been informed and take steps to not transport mussels

Hope they never get to Deer Creek. However that will depend on whether there are idiots out there who think they are special.

Hopefully we can control it best as possible.

How could you not know. The question is always asked.

I agree.

I am doing MY part to not spread the mussels

I am not aware that the problem is getting worse - we just do not need more regulations. It's too expensive to boat now.

I am not sure what else can be done at this time.

I appreciate your efforts. I feel like we will loose this battle but I'm glad you are putting up a good fight. The problem isn't the guys like me that comply and understand. It's the guys who won't pay and launch from beach's etc that we have to worry about. Thanks for our efforts.

I believe it is helpful for law abiding citizens, I hope we never get anymore problems in our beautiful Utah lakes.

I could probably use some more information.

I did not find out about the way to go on line and get a yearly pass for the mussel report we have to fill out each time we go.

Each time we go it seems it is a little different in what we had to do to fill out the pass.

I do not have too much information about it.

I don't know how serious it is.

I feel it is very important to keep these mussels out of our lakes. Let's just try to streamline the process better.  
 I feel that the pressure or inconvenience is worth Utah trying to keep its water clean.  
 I feel they should have started the inspection process 2 years before they actually started the questions on boats from other states  
 I find most people who boat know about this problem.  
 I fish Idaho more than Utah. You are to have an Idaho Invasive Species sticker before fishing in that state.  
 I have not been to any body of water that was contaminated, so I am not familiar with the complete package.  
 I have only received a pamphlet telling me what they are.  
 I have received minimal information only on one occasion and don't feel informed without further information enough to respond with knowledge.  
 I have written solutions I thought were relevant to you folks - I never got an answer. So I supposed you didn't care to even write an answer.  
 I haven't addressed it as such. Haven't used by boat.  
 I haven't put a boat in any waters for several years and the last time was at Bear Lake.  
 I just have a small crawdad and only use it a few times a year. With all this regulation I would probably just sell it and fish from the shore since I'm on a limited budget.  
 I like having the decontamination equipment at the marinas.  
 I like not having to decontaminate if I don't go to another body of water - the seadoo's sit unused for months at a time.  
 I like what UDWR has done to date, but worry the self-cert process is getting redundant. If boaters begin to take it less seriously, then compliance will falter.  
 I realize there is a shortage of funds but there should be either personnel or information at every lake about what steps we should take. At high quagga areas - personnel should be there to examine.  
 I really do not think the word is getting out as much as it should be. I am a very concerned responsible boater and I know the processes frustrate me, but I complete them because I know it is the right thing to do and I try to set an example. I can tell  
 I think as a boater we all should be informed as to the longtime trouble. We need to be careful.  
 I think every boat must have a log, with all waters that boat has been on. Dates, times, and days spent and notarized by the DNR. With this record the DNR everyplace can determine if the boat needs to go through the decontamination process.  
 I think everybody that has a boat should take a class.  
 I think it's a good, worthwhile program that every boater needs to take seriously.  
 I think it's great - we are being aggressive in this matter, we have a great state and need to do all we can to keep it nice and usable to recreate in.  
 I think it's very good.  
 I think it's very important to keep professional staff.  
 I think most boaters are being careful. All you can do is make sure people are aware and doing their part.  
 I think that all out of state boats should be required to have a professional decontamination slip to enter any Utah water.  
 I think that most of the decisions and resulting restrictions are pro-active and perhaps not entirely necessary but the contamination results could be very damaging. If we can prolong the time before an invasion perhaps there will be a remedy developed to wipe out the little buggers.  
 I think that penalties for not obeying the rules should be much stiffer. There will always be those that just don't care to follow the rules and they need to be fined. Perhaps a big fine and lots of advertisement will spread the word better.  
 I think that this is a problem we need to stay on top of. When we get lazy we will only have more serious problems.  
 I think the staff at some water bodies are quite casual about this. Their concern could and should be greater.  
 I think this survey was written badly and was hard to understand.  
 I think Utah does a good job dealing with this problem. Unfortunately as long as boating access is allowed 24 hours a day the opportunity for unchecked boats to launch still exists. Perhaps launch ramps should be restricted.  
 I think you are doing the best you can. No complaints  
 I thought it was informative and thorough.  
 I will avoid any water known to be involved. This year I will fish Strawberry, Mantua and possibly Willard Bay - I would strongly advise you to look at Idaho and their programs.  
 I wish there was more to do to eradicate invasive mussels.  
 I would like to see a way to launch at Lake Powell at night. However I do believe we need to make efforts to control the mussels.  
 I would like to see public access to decontamination equipment at all boat ramps. I would use it either before or after each trip if it could be done quickly (one hour or less).  
 I'd be willing to pay a little more for enforcement to help keep Utah waters free of the invasive species and also those who

ruin fisheries by planting fish at waters illegally. Thanks.

If it is not quick easy people will try to ignore the problem and not take care of their boats properly. It turns out to be just another piece of paper to sign before entering the harbor.

I'll have a better idea after I've been out more than once, feel free to ask me later this year.

I'm about through with boating due to my age.

I'm grateful they are taking action, but I wonder about people answering questions honestly. Maybe boats should be looked at.

I'm not familiar with it.

Important to have done.

Informative (x3)

It doesn't seem to affect me because I just don't have the time to go fishing very often.

It is fine.

It is very important, but I can see where knuckleheads out there can bypass the procedures and get into the lakes without being checked out.

It is well done but perhaps not quite publicized enough in some areas

It needs to be addressed.

It seems adequate.

It seems to me that boaters using waters that are contaminated by invasive mussels should be required to have their boats professionally cleaned as they leave those waters. Those using only clean waters should not have to be bothered with these procedures.

It sounds like the program is doing a good job.

It's good to keep reminding us - so we don't forget and mess up.

It's important.

It's out there for us. To learn about. I have done my part the last 2 years. I feel like not many people care. It needs to be dealt with or don't let people on the water without doing what you are asking.

I've had limited exposure to any of the inspection stuff - only seen billboards and the online certificate training.

Just fine for me. A few minutes to keep things protected is well worth it.

Just need to keep stressing to the people how destructive these can be and how to prevent them from being transferred, and how to keep them from being spread.

Keep it up.

Keep up the good work - we don't need them here.

Make sure their boats are decontaminated.

Maybe information should be given more clearly during registration process (especially Cache Co) none given - for folks like us with boat parked in barn 5 years. Or, it's so serious, have people watch a film, or talk to these people in Idaho - they sure know how to get the point across.

More advance information needed

More education as to the long term risk and expense of mussel invasion as well as the penalty for non-compliance - out of state boaters should be forced to have boats cleaned before launching.

More knowledge of different procedures to clean your boat at home.

My son on his first fishing trip at age 13 picked up the literature and knew what was expected of boat owners who may be contaminated.

Needs more enforcement, most people unfortunately can't be trusted.

needs to be addressed

Needs to be done, Utah waters need to be protected, if it gets too much for me I'll change hobbies or just go to the Great Salt Lake to sail.

New boat sells should come with info. as well as information in registration renewal.

No experience

no problem

No real experience. I have always self cleaned and been out of the water long enough in between.

None (x3)

NOT ENOUGH INFORMATION ABOUT THEIR INFESTATION.

not familiar enough with the process to comment

Not familiar with this package at all.

Not received

Not sure. (x3)

Not very good

OK (x10)

Ok but more education at smaller lakes needed. Maybe more education on the professional decontamination process.

Ok but need a person available to check boats before entering water.

Other than checking my boat for mussels, I am not sure how else we can help to eradicate these.

Overall I understand all that goes on and I will try to keep an open mind about the whole thing and will do my best to do my part.

Please do everything in your power to keep the mussels out of all Utah waters.

Please don't keep sending these forms - the first one should have been enough.

Probably somewhat below average.

Process is probably futile since it only takes one person to slip through and damage a lake.

Properly decontaminating your boat before and after you boat in any water is what I gathered to prevent the spread of invasive mussels

Question #13 in this survey is VERY poorly written and could be confusing to many.

Satisfactory (x3)

Satisfied.

Seemed good. The education was effective in making me want to participate to protect our lakes.

Seems appropriate

Seems appropriate to me as long as there isn't a spread of mussels

Seems like what can be done with current budget dollars is happening.

seems OK

Should be more thorough. I've read the material but I still can't remember accurately the 3 bodies of water affected by the invasive mussels.

Stay the course and keep informing public of the problem.

Sufficient

super glad SOMEONE is looking out for the lakes

Sure.

The fees keep rising at all parks, however I think they should be raised at affected lakes to keep people from going if they know it was mussels. Then use money to make sure it doesn't spread. I hate to think if they make it to Northern Lakes.

The Levitt family still needs to be held accountable.

The mussels can't be stopped. You can't wash off/clean all the water birds. Introduce the natural enemies to keep the negative affects of the mussels low.

The online form you can get really helps out. I think you have done a good job of getting the information out.

The only way to really get a hold on this is to somehow keep a log of every boat that leaves a body of water and keep that database available to people before they launch, so people are honest.

The signs are sometimes not very visible. Especially if there is a lot of traffic at the docks.

The worst part about this program is most of the people are aware and trying not to spread them. But you know as well as me it only takes one ignorant jackass to mess it up. Good luck, I don't know the solution.

This questionnaire appears to be nothing more than an exercise to create support for requiring all boat owners to pay for professional cleaning. One way or the other, it smells like the DNR is fishing for more revenue. Prove me wrong.

This survey is excellent resource for feed back, continue to advance program implementation. Division needs to oversee activities to ensure that funding is being properly utilized at each location.

Thorough.

Too Long

Too many boaters are uninformed. Most people seem mindless.

Unknown

Until the mussels are eliminated from Utah waters.

Usually try to go to the lakes that don't currently have mussels

Utah has done a great job. Keep up the good work.

Utah has dropped the ball. You're short on funds. I called to see why you don't charge non-residents an AIS fee like Idaho and Wyoming do. Could be free or \$5.00, grant or no grant.

Utah should require the purchase a sticker to boat on Utah waters by our neighbor states that require one from Utah boaters to boat on their waters.

Very good (x3)

Very good. Early adoption of the decontamination questions, and actions has hopefully helped. I would suggest greater scrutiny on violators. No green sheet, HEAVY FINES. Crippling fines in my humble opinion... make them \$10,000! People will stop and make sure their boat is clean before risking a \$10,000 fine.

Very helpful, I hope it works.

Very helpful. Probably need more info to the general public.

Very informative. (x2)

Very informative. The only way to totally stop would be to have decontamination stations at all reservoirs/lakes which is not going to happen due to the almighty dollar. The best way is to educate - less cost and could be effective.

Very necessary for all boaters.

Very well done.

Was not very time consuming but I did become aware of the concern. I personally don't want to have to worry about the lakes in which I visit having the problem. Therefore I would comply with the decontamination. I still think it will have to be mandatory.

Wash and clean your toys.

Wasn't informed.

We are the concessionaire at Deer Creek and we appreciate the efforts of the DWR to educate and assist people in keeping our water free of mussels. They are always polite and from what I have experienced and observed - well accepted by the public. Good Job DWR

We felt very aware of the problem, and loved that the lake had a solution already in place for decontaminating. Hopefully all boaters will use the professional services.

We launch our boat in Idaho, not in Utah (Bear Lake)

Well done.

Work together to stop it from spreading, thank you.

Would like to help eliminate this problem without costing or inconveniencing boaters as much as possible.

Would like to see states join forces to develop decontamination methods that can be applied for home use that would be faster than ones currently used.

Years ago in the Grand Canyon at Lee's Ferry was good, very good. I'm old Coast Guard and River Ranger in Canyon Lands, so I'm always looking and teaching boaters. But I'm not always there to see what's going on.

You are doing good.

You are on top of it. And this is crucial to good fishing.

You are tackling a very difficult problem. I hope your efforts succeed.

You seem to be reasonable and I don't want this problem to spread.